

SPEC SHEETS

2026

TABLE OF CONTENTS

ACCESSGARD®

ACCESSGARD 2118 P:3

AIR GAP UNIT

IC-1 P:4 IC-111.5 P:5 IC-221.5 P:6 IC-322 P:7 IC-433 P:8 IC-830 P:9

ARMORGARD™

BRX16/BRAR15 P:10

ARMORGARD™ ULTIMATE

SP3A13 P:11

BULLET RESISTANT

BR-113 P:12 BR-155 P:13 BR-233 P:14

CHILDGARD®

CHILDGARD P:15
CHILDGARD 2118 P:16
CHILDGARD 2118 IGU P:17

LEXGARD®

MP 1000 P:18 MP 750 P:19 MPC 375 P:20 MPC 500 P:21 RC 750 P:22 RS 1250 P:23 SP 1250 P:24

INFERNOGARD®

INFERNOGARD 90-2114 P:25 INFERNOGARD 90-2115 P:26 INFERNOGARD 90-2116 P:27 INFERNOGARD 90-2117 P:28 INFERNOGARD 90-2119 P:29 INFERNOGARD 90-DBP08 P:30 INFERNOGARD 90-PSYCH 2118 P:31 INFERNOGARD 90-SP019 P:32 INFERNOGARD 90-SP035 P:33 INFERNOGARD 90-SP188 P:34 INFERNOGARD 90-SP293 P:35 INFERNOGARD 90-SP028 P:36 INFERNOGARD 90-SP311 P:37 INFERNOGARD 90-SP412 P:38 INFERNOGARD 90-SP513 P:39 INFERNOGARD 2114 P:40 INFERNOGARD 60-2115 P:41 INFERNOGARD 60-2116 P:42 INFERNOGARD 60-2117 P:43 INFERNOGARD 60-2119 P:44 INFERNOGARD 60-DBP08 P:45 INFERNOGARD 60-PSYCH 2118 P:46 INFERNOGARD 60-SP019 P:47 INFERNOGARD 60-SP028 P:48 INFERNOGARD 60-SP035 P:49 INFFRNOGARD 60-SP188 P:50 INFERNOGARD 60-SP293 P:51 INFERNOGARD 60-SP311 P:52 INFERNOGARD 60-SP412 P:53 INFERNOGARD 60-SP513 P:54 INFERNOGARD 45-2114 P:55 INFERNOGARD 45-2115 P:56 INFERNOGARD 45-2116 P:57 INFERNOGARD 45-2117 P:58 INFERNOGARD 45-2119 P:59 INFERNOGARD 45-DBP08 P:60 INFERNOGARD 45-PSYCH 2118 P:61 INFERNOGARD 45-SP019 P:62 INFERNOGARD 45-SP028 P:63 INFERNOGARD 45-SP035 P:64 INFERNOGARD 45-SP188 P:65 INFERNOGARD 45-SP293 P:66 INFERNOGARD 45-SP311 P:67 INFERNOGARD 45-SP311 P:68 INFERNOGARD 45-SP513 P:69

NIJ

BR-113 NIJ P:70 MP750 NIJ P:71 SP1250 NIJ P:72 SP175 NIJ P:73 SP188 NIJ P:74 SP412 NIJ P:75 SPN316 NIJ P:76 SPN420 NIJ P:77

SECUR-LITE

SL716-3X P:78 SL916-4X P:79 SL1316-5X P:80 SL516U P:81 SL716U P:82 SL916U P:83

SECUR-TEM

SM3 P:84 SM4 P:85 SM5 P:86 SSM5 P:87

SECUR-TEM+POLY®

DBP08 P:88 SP188 P:89 SP293 P:90 SP311 P:91 SP412 P:92 SP513 P:93 SP719 P:94 2114 P:95 2115 P:96 2116 P:97 2117 P:98 2119 P:99 PSYCH-2118 P:100 SP019 P:101 SP028 P:102 SP035 P:103





Secu	urity Glazing				
PRODUCT N	IAME:	9/16" ACCESSGARD®			
PRODUCT C	ODE:	2118 ACCESSGARD 21	118		
CONSTRUCT	ΓΙΟΝ:	This is a glass laminate,	no exposed plastic (polyc	arbonate, PET, etc.). Exa	ct Construction is Proprietary.
PERFORMA	NCE TESTING:	FORCED ENTRY:			
		ASTM F3561-22 Level 8			
		ASTM F1233-08 Class 1.4	4 Body Passage / Class 1.3	3 Contraband	
		5-aa1 rated for 16 minut	tes		
		BULLET RESISTANT:			
		NIJ 0108.01 Level II 5 sho	ots 9mm FMJ Protection		
		NIJ 0108.01 Level IIA 5 s	hots 9mm FMJ Protection	1	
		Tested to H.P. White Lev	vel A for Bullet Resistance	e (3 shots from a .38 Spe	cial. Spall, No Penetration)
THICKNESS:	THICKNESS	.527"			
TOLERANCE	: WEIGHT:	.479"573"			
MINIMUM	SIZE:	4.95 lbs/ft²			
MAXIMUM	SIZE:	10" x 10"			
OPTIONS:		60 x 96"			
		including transparent m		ting glass units (IGU), sw) glass, low-e glass, reflective glass ritchable smart glass, tinted and eess.
TECHNICAL	DATA:	Visible Light	Solar Heat Gain	U-Value	*Transmittance values are calculated using LBNL
		Transmission (VLT)	Coefficient (SHGC)	(BTU/hr*ft² * °F)	Window & Optics Software with the latest database
		0.807	0.726	0.841	info available at the time
ΔΡΡΙΙζΔΒΙ Ε	STANDARDS:	ASTM C1036	ASTM C1349	ANSI Z97.1/CPSC	16 CFR 1201 (Cat I & II Impact)
ALLECADE	STANDANDS.	ASTM C1048 ASTM C1422			
SINGLE RES	PONSIBILITY:		LLC and Global Security on the firm has handled and i	= :	rered by our Single Responsibility™ ases of manufacturing.
INSTALLATIO	ON:	All glass should be installed in accordance with the guidelines set forth in the current edition of the Glass			
			· · · · · · -		ng systems should incorporate a
		weep system to allow m	oisture and water to esca	ape the glazing channel.	
		Recommended Clearance	e:		
		Face: 1/8" per sid	e		
		_/ G PC. S.G.	-		
		Edge: 1/4"			















4



UL LEVEL 1-AIR GAP (AG) UNIT					
IC-1						
This is a glass laminate,	This is a glass laminate, no exposed plastic (polycarbonate, PET, etc.). Exact Construction is Proprietary.					
PERFORMANCE TESTING: ASTM F1233-21 Class 2.3 Contraband, Class 3.3 Body						
NIJ 0108.01 Level IIIA 5 s	shots 44 Magnum SWCG0	C + 5 shots 9mm FMJ Pr	otection			
1.0915"						
7.33 lbs./ft2						
12x12"						
60x96"						
including transparent m	irror, bird friendly, insula	ting glass units (IGU), sv	vitchable smart glass, tinted and			
Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database			
0.67	0.61	0.48	info available at the time			
ASTM C1036	ASTM C1172	ANSI Z97.1/CPSC	2 16 CFR 1201 (Cat I & II Impact)			
Isoclima Specialty Glass, LLC and Global Security Glazing products are covered by our Single Responsibility Program that ensures one firm has handled and is accountable for all phases of manufacturing.						
Association of North Am weep system to allow m	nerica (GANA) Glazing and oisture and water to escand water to escand es	l Sealant Manuals. Glaz	ing systems should incorporate a			
Bite: 1"						
	IC-1 This is a glass laminate, in ASTM F1233-21 Class 2 NIJ 0108.01 Level IIIA 5 st 1.0915" 7.33 lbs./ft2 12x12" 60x96" Tinted glass, low iron glaincluding transparent m translucent interlayers. In ASTM C1036 Isoclima Specialty Glass, Program that ensures on All glass should be install Association of North Amweep system to allow m Recommended Clearance Face: 1/8" per sid Edge: 3/8"	This is a glass laminate, no exposed plastic (polyce ASTM F1233-21 Class 2.3 Contraband, Class 3.3 B NIJ 0108.01 Level IIIA 5 shots 44 Magnum SWCGC 1.0915" 7.33 lbs./ft2 12x12" 60x96" Tinted glass, low iron glass, printed (spandrel and including transparent mirror, bird friendly, insular translucent interlayers. Please note some options Visible Light Solar Heat Gain Coefficient (SHGC) 0.67 0.61 ASTM C1036 ASTM C1172 Isoclima Specialty Glass, LLC and Global Security (Program that ensures one firm has handled and including transmission of North America (GANA) Glazing and weep system to allow moisture and water to escape the system of t	IC-1 This is a glass laminate, no exposed plastic (polycarbonate, PET, etc.). Exceptible 1.0915" ASTM F1233-21 Class 2.3 Contraband, Class 3.3 Body NIJ 0108.01 Level IIIA 5 shots 44 Magnum SWCGC + 5 shots 9mm FMJ Proceedings of the process of t			

















Security Glazing						
PRODUCT NAME:	UL LEVEL 1-AIR GAP (AG) UNIT					
PRODUCT CODE:	IC-111.5					
CONSTRUCTION:	This is a glass laminate, I	This is a glass laminate, no exposed plastic (polycarbonate, PET, etc.). Exact Construction is Proprietary.				
PERFORMANCE TESTING:		ASTM F1233-21 Class 2.3 Contraband, Class 3.3 Body NIJ 0108.01 Level IIIA 5 shots 44 Magnum SWCGC + 5 shots 9mm FMJ Protection				
THICKNESS:	.883"					
THICKNESS TOLERANCE:						
WEIGHT:	5.65 lbs./ft2					
MINIMUM SIZE:	12x12"					
MAXIMUM SIZE:	60x96"					
OPTIONS:	Tinted glass, low iron glass, printed (spandrel and pattern screen printing) glass, low-e glass, reflective glass including transparent mirror, bird friendly, insulating glass units (IGU), switchable smart glass, tinted and translucent interlayers. <i>Please note some options may increase OA thickness</i> .					
TECHNICAL DATA:	Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database		
	0.69	0.65	0.48	info available at the time		
APPLICABLE STANDARDS:	ASTM C1036	ASTM C1172	ANSI Z97.1/CPSC	C 16 CFR 1201 (Cat I & II Impact)		
SINGLE RESPONSIBILITY:	1	LLC and Global Security one firm has handled and i		vered by our Single Responsibility™ ases of manufacturing.		
INSTALLATION:	All glass should be installed in accordance with the guidelines set forth in the current edition of the Glass Association of North America (GANA) Glazing and Sealant Manuals. Glazing systems should incorporate a weep system to allow moisture and water to escape the glazing channel.					
	Recommended Clearance	e:				
	Face: 1/8" per side	e				
	Edge: 3/8"					
	Bite: 1"					











616 Selfield Road - Selma, AL 36703



5



PRODUCT SPECIFICATIONS

6



PRODUCT NAME:	UL LEVEL 2-AIR GAP (AG) UNIT					
PRODUCT CODE:	IC-221.5					
CONSTRUCTION:	This is a glass laminate,	no exposed plastic (polyc	arbonate, PET, etc.). Ex	act Construction is Proprietary.		
PERFORMANCE TESTING:	ASTM F1233-21 Class 2.3	3 Contraband, Class 3.3 B	ody			
	NIJ 0108.01 Level IIIA 5 s	shots 44 Magnum SWCG	C + 5 shots 9mm FMJ Pr	otection		
THICKNESS:	1.112"					
THICKNESS TOLERANCE:						
WEIGHT:	8.99 lbs./ft2					
MINIMUM SIZE:	12x12"					
MAXIMUM SIZE:	60x96"					
OPTIONS:	Tinted glass, low iron glass, printed (spandrel and pattern screen printing) glass, low-e glass, reflective glincluding transparent mirror, bird friendly, insulating glass units (IGU), switchable smart glass, tinted and translucent interlayers. <i>Please note some options may increase OA thickness</i> .					
TECHNICAL DATA:	Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database		
	0.67	0.59	0.48	info available at the time		
APPLICABLE STANDARDS:	ASTM C1036	ASTM C1172	ANSI Z97.1/CPSC	2 16 CFR 1201 (Cat I & II Impact)		
SINGLE RESPONSIBILITY:	Isoclima Specialty Glass, LLC and Global Security Glazing products are covered by our Single Responsibility™ Program that ensures one firm has handled and is accountable for all phases of manufacturing.					
INSTALLATION:	Association of North Am	nerica (GANA) Glazing and noisture and water to esc	d Sealant Manuals. Glaz	n the current edition of the Glass ing systems should incorporate a		
	Face: 1/8" per sid	e				
	Face: 1/8" per side					
	Edge: 3/8"					















PRODUCT NAME:	UL LEVEL 3-AIR GAP (UL LEVEL 3-AIR GAP (AG) UNIT				
PRODUCT CODE:	IC-322	IC-322				
CONSTRUCTION:	This is a glass laminate,	This is a glass laminate, no exposed plastic (polycarbonate, PET, etc.). Exact Construction is Proprietary.				
PERFORMANCE TESTING:	ASTM F1233-21 Class 2.3 Contraband, Class 3.3 Body					
	NIJ 0108.01 Level IIIA 5 s	shots 44 Magnum SWCG0	C + 5 shots 9mm FMJ Pr	otection		
THICKNESS:	1.220"	1.220"				
THICKNESS TOLERANCE:						
WEIGHT:	9.64 lbs./ft2					
MINIMUM SIZE:	12x12"					
MAXIMUM SIZE:	60x96"					
OPTIONS:	Tinted glass, low iron glass, printed (spandrel and pattern screen printing) glass, low-e glass, reflective including transparent mirror, bird friendly, insulating glass units (IGU), switchable smart glass, tinted translucent interlayers. <i>Please note some options may increase OA thickness</i> .					
TECHNICAL DATA:	Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database		
	0.63	0.58	0.46	info available at the time		
APPLICABLE STANDARDS:	ASTM C1036	ASTM C1172	ANSI Z97.1/CPSC	16 CFR 1201 (Cat I & II Impact)		
SINGLE RESPONSIBILITY:	Isoclima Specialty Glass, LLC and Global Security Glazing products are covered by our Single Responsibility Program that ensures one firm has handled and is accountable for all phases of manufacturing.					
INSTALLATION:	Association of North Am weep system to allow m Recommended Clearance Face: 1/8" per sid	nerica (GANA) Glazing and oisture and water to escand to escand water to escand	l Sealant Manuals. Glaz	n the current edition of the Glass ing systems should incorporate a		
	Edge: 3/8" Bite: 1"					















Specialty Glass, LLC PRODUCT SPECIFICATIONS



PRODUCT NAME:	UL LEVEL 4 AIR GAP (AG) UNIT				
PRODUCT CODE:	IC-433				
CONSTRUCTION:	This is a glass laminate, r	no exposed plastic (polyc	arbonate, PET, etc.). Ex	act Construction is Proprietary.	
PERFORMANCE TESTING:	ASTM F1233-21 Class 2.3	3 Contraband, Class 3.3 B	ody		
	NIJ 0108.01 Level IIIA 5 s	hots 44 Magnum SWCG0	+ 5 shots 9mm FMJ Pro	otection	
THICKNESS:	1.795"				
THICKNESS TOLERANCE:					
WEIGHT:	14.84 lbs./ft2				
MINIMUM SIZE:	12x12"				
MAXIMUM SIZE: 60x96"					
OPTIONS:	including transparent mi		ting glass units (IGU), sv	g) glass, low-e glass, reflective glass vitchable smart glass, tinted and ness.	
TECHNICAL DATA:	Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database	
	0.54	0.49	0.41	info available at the time	
APPLICABLE STANDARDS:	ASTM C1036	ASTM C1172	ANSI Z97.1/CPSC	C 16 CFR 1201 (Cat I & II Impact)	
SINGLE RESPONSIBILITY:	Isoclima Specialty Glass, LLC and Global Security Glazing products are covered by our Single Responsibili Program that ensures one firm has handled and is accountable for all phases of manufacturing.				
INSTALLATION:	All glass should be installed in accordance with the guidelines set forth in the current edition of the Glass Association of North America (GANA) Glazing and Sealant Manuals. Glazing systems should incorporate a weep system to allow moisture and water to escape the glazing channel.				
	Recommended Clearance:				
	Face: 1/8" per side				
	Edge: 3/8"				



4/11/2025













Specialty Glass, LLC PRODUCT SPECIFICATIONS



RODUCT NAME:	UL LEVEL 8-AIR GAP (AG) UNIT				
RODUCT CODE:	IC-830				
ONSTRUCTION:	This is a glass laminate, no exposed plastic (polycarbonate, PET, etc.). Exact Construction is Proprietary.				
ERFORMANCE TESTING:	ASTM F1233-21 Class 2.3	3 Contraband, Class 3.3 B	ody		
	NIJ 0108.01 Level IIIA 5 s	hots 44 Magnum SWCG0	C + 5 shots 9mm FMJ Pro	otection	
HICKNESS:	3.01"				
HICKNESS TOLERANCE:					
EIGHT:	27.21 lbs./ft2				
INIMUM SIZE:	12x12"				
AXIMUM SIZE:	60x96"				
	Tinted glass, low iron glass, printed (spandrel and pattern screen printing) glass, low-e glass, reflect including transparent mirror, bird friendly, insulating glass units (IGU), switchable smart glass, tinte translucent interlayers. <i>Please note some options may increase OA thickness</i> .				
ECHNICAL DATA:	Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LB Window & Optics Software with the latest data info available at the time	
	0.48	0.44	0.36		
PPLICABLE STANDARDS:	ASTM C1036	ASTM C1172	ANSI Z97.1/CPSC	16 CFR 1201 (Cat I & II Impact)	
	Isoclima Specialty Glass, LLC and Global Security Glazing products are covered by our Single Responsibility Program that ensures one firm has handled and is accountable for all phases of manufacturing.				
	All glass should be installed in accordance with the guidelines set forth in the current edition of the Glass Association of North America (GANA) Glazing and Sealant Manuals. Glazing systems should incorporate a weep system to allow moisture and water to escape the glazing channel.				
	Recommended Clearance	e:			
	·	-			
	·				
	Recommended Clearance Face: 1/8" per side Edge: 3/8" Bite: 1"	e:	ape the glazing channel.		

















Codding Glazing						
PRODUCT NAME:	ARMORGARD™ BULL	ET RESISTANT GLASS				
PRODUCT CODE:	BRX16/BRAR15					
CONSTRUCTION:	transparent materials. 1	_	ed in response to frequ	es a proprietary arrangement of ent inquiries for a tested product tha		
PERFORMANCE TESTING:	BS EN 1063 Class BR5 "S	S" (+ Protection against A	R15/5.56 caliber threat	s)		
	Three shots 5.56x45 M8	·	,	,		
THICKNESS: THICKNESS	1.69"					
OLERANCE: WEIGHT:	1.587-1.811"					
AINIMUM SIZE:	17.0 lbs./ft²					
MAXIMUM SIZE:	12x12"					
OPTIONS:	60 x 96"					
FECHNICAL DATA:	Visible Light	Solar Heat Gain	U-Value	*Transmittance values are calculated using LBNL		
	Transmission (VLT)	Coefficient (SHGC)	(BTU/hr*ft² * °F)	Window & Optics Software with the latest database info available at the time		
	70.1	0.554	0.745	<u> </u>		
APPLICABLE STANDARDS:	ASTM C1036 ASTM C1349 ANSI Z97.1/CPSC 16 CFR 1201 (Cat I & II Impact) ASTM C1048					
SINGLE RESPONSIBILITY:	Isoclima Specialty Glass, LLC and Global Security Glazing products are covered by our Single Responsibil Program that ensures one firm has handled and is accountable for all phases of manufacturing.					
NSTALLATION:	Association of North An weep system to allow n	nerica (GANA) Glazing an noisture and water to eso	d Sealant Manuals. Gla	in the current edition of the Glass zing systems should incorporate a l.		
	Recommended Clearan					
	Face: 1/8" per side	2				
	· ·					
	Edge: 3/8" Bite: 1"					

















PRODUCT NAME:	ARMORGARD™ Ultimate ASTM F1233 FORCED ENTRY/NIJ IIIA BULLET RESISTANT SECURITY LAMINATE (FE/BR)					
PRODUCT CODE:	SP3A13					
CONSTRUCTION:	This is a glass laminate, no exposed plastic (polycarbonate, PET, etc.). Exact Construction is Proprietary.					
PERFORMANCE TESTING:	ASTM F1233-21 Class 2.3	3 Contraband, Class 3.3 B	ody			
	NIJ 0108.01 Level IIIA 5 s	shots 44 Magnum SWCG	C + 5 shots 9mm FMJ Pro	otection		
THICKNESS:	1.3"					
THICKNESS TOLERANCE:	1.159-1.350"					
WEIGHT:	12.28 lbs/ft²					
MINIMUM SIZE:	12x12"					
MAXIMUM SIZE:	60x96"					
OPTIONS:	including transparent m		ting glass units (IGU), sv	g) glass, low-e glass, reflective glass vitchable smart glass, tinted and ness.		
TECHNICAL DATA:	Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database		
	0.683	0.666	0.644	info available at the time		
APPLICABLE STANDARDS:	ASTM C1036 ASTM C1048	ASTM C1349	ANSI Z97.1/CPSC	2 16 CFR 1201 (Cat I & II Impact)		
SINGLE RESPONSIBILITY:	· ·	LLC and Global Security ne firm has handled and i	• •	vered by our Single Responsibility™ ases of manufacturing.		
INSTALLATION:	All glass should be installed in accordance with the guidelines set forth in the current edition of the Glass Association of North America (GANA) Glazing and Sealant Manuals. Glazing systems should incorporate a weep system to allow moisture and water to escape the glazing channel.					
	Recommended Clearance	e:				
	Face: 1/8" per side					
	Edge: 3/8"	е				















Specialty Glass, LLC PRODUCT SPECIFICATIONS



UL LEVEL 1 - BULLET RESISTANT GLASS					
BR-113					
This is a glass laminate, r	This is a glass laminate, no exposed plastic (polycarbonate, PET, etc.). Exact Construction is Proprietary.				
ASTM F1233-21 Class 2.3 Contraband, Class 3.3 Body					
NIJ 0108.01 Level IIIA 5 s	shots 44 Magnum SWCG	C + 5 shots 9mm FMJ Pr	otection		
1.295"					
1.209-1.381"					
16.05 lbs./ft2					
12x12"					
60x96"					
	-	' '	_		
Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database		
0.78	0.67	0.85	info available at the time		
ASTM C1036	ASTM C1172	ANSI Z97.1/CPSC 16 CFR 1201 (Cat I & II Impact)			
Isoclima Specialty Glass, LLC and Global Security Glazing products are covered by our Single Responsibilit Program that ensures one firm has handled and is accountable for all phases of manufacturing.					
All glass should be installed in accordance with the guidelines set forth in the current edition of the Glass Association of North America (GANA) Glazing and Sealant Manuals. Glazing systems should incorporate a weep system to allow moisture and water to escape the glazing channel.					
Recommended Clearanc	e:				
Face: 1/8" per side	e				
Face: 1/8" per side Edge: 3/8"	e				
	BR-113 This is a glass laminate, in ASTM F1233-21 Class 2.3 NIJ 0108.01 Level IIIA 5 st 1.295" 1.209-1.381" 16.05 lbs./ft2 12x12" 60x96" Tinted glass, low iron glaincluding transparent m translucent interlayers. In Interlayers and Interlayers and Interlayers and Interlayers are also included in Interlayers. In Interlayers and Interlayers are also included in Interlayers. In Interlayers and Interlayers are also included in Interlayers and Interlayers are also included in Interlayers and Interlayers are also included in Interlayers are also included in Interlayers and Interlayers are also included in Interlayers. In Interlayers are also included in Interlayers. In Interlayers are also included in Interlayers are also included in Interlayers are also included in Interlayers. In Interlayers are also included in Interlayers are also included in Interlayers are also included in Interlayers. In Interlayers are also included in Interlayers are also included in Interlayers are also included in Interlayers. In Interlayers are also included in Interla	BR-113 This is a glass laminate, no exposed plastic (polyce ASTM F1233-21 Class 2.3 Contraband, Class 3.3 B NIJ 0108.01 Level IIIA 5 shots 44 Magnum SWCGO 1.295" 1.209-1.381" 16.05 lbs./ft2 12x12" 60x96" Tinted glass, low iron glass, printed (spandrel and including transparent mirror, bird friendly, insula translucent interlayers. Please note some options Visible Light Transmission (VLT) Coefficient (SHGC) 0.78 0.67 ASTM C1036 ASTM C1172 Isoclima Specialty Glass, LLC and Global Security of Program that ensures one firm has handled and in All glass should be installed in accordance with the Association of North America (GANA) Glazing and	BR-113 This is a glass laminate, no exposed plastic (polycarbonate, PET, etc.). Ex ASTM F1233-21 Class 2.3 Contraband, Class 3.3 Body NIJ 0108.01 Level IIIA 5 shots 44 Magnum SWCGC + 5 shots 9mm FMJ Pr 1.295" 1.209-1.381" 16.05 lbs./ft2 12x12" 60x96" Tinted glass, low iron glass, printed (spandrel and pattern screen printing including transparent mirror, bird friendly, insulating glass units (IGU), stranslucent interlayers. Please note some options may increase OA thick Visible Light Solar Heat Gain U-Value Transmission (VLT) Coefficient (SHGC) (BTU/hr*ft² * °F) 0.78 0.67 0.85 ASTM C1036 ASTM C1172 ANSI Z97.1/CPSC Isoclima Specialty Glass, LLC and Global Security Glazing products are co Program that ensures one firm has handled and is accountable for all phen All glass should be installed in accordance with the guidelines set forth in Association of North America (GANA) Glazing and Sealant Manuals. Glazweep system to allow moisture and water to escape the glazing channel		

















UL LEVEL 2 - BULLET RESISTANT GLASS					
BR-155					
This is a glass laminate, r	no exposed plastic (polyc	arbonate, PET, etc.). Ex	act Construction is Proprietary.		
ASTM F1233-21 Class 2.3	3 Contraband, Class 3.3 B	ody			
NIJ 0108.01 Level IIIA 5 s	shots 44 Magnum SWCG0	C + 5 shots 9mm FMJ Pr	otection		
1.812"					
1.691-1.935"					
22.51 lbs./ft2	22.51 lbs./ft2				
12x12"					
60x96"					
including transparent mirror, bird friendly, insulating glass units (IGU), switchable smart glast translucent interlayers. <i>Please note some options may increase OA thickness</i> .					
Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database		
0.74	0.64	0.75	info available at the time		
ASTM C1036	ASTM C1172	ANSI Z97.1/CPSC	16 CFR 1201 (Cat I & II Impact)		
Isoclima Specialty Glass, LLC and Global Security Glazing products are covered by our Single Responsibility Program that ensures one firm has handled and is accountable for all phases of manufacturing.					
All glass should be installed in accordance with the guidelines set forth in the current edition of the Glass Association of North America (GANA) Glazing and Sealant Manuals. Glazing systems should incorporate a weep system to allow moisture and water to escape the glazing channel.					
Recommended Clearance					
Recommended Clearance	e:				
Recommended Clearanc					
Recommended Clearanc Face: 1/8" per side Edge: 3/8"					
	BR-155 This is a glass laminate, in ASTM F1233-21 Class 2.3 NIJ 0108.01 Level IIIA 5 states 1.812" 1.691-1.935" 22.51 lbs./ft2 12x12" 60x96" Tinted glass, low iron glatincluding transparent m translucent interlayers. In ASTM C1036 Isoclima Specialty Glass, Program that ensures or All glass should be instal Association of North Am	BR-155 This is a glass laminate, no exposed plastic (polyce ASTM F1233-21 Class 2.3 Contraband, Class 3.3 B NIJ 0108.01 Level IIIA 5 shots 44 Magnum SWCGC 1.812" 1.691-1.935" 22.51 lbs./ft2 12x12" 60x96" Tinted glass, low iron glass, printed (spandrel and including transparent mirror, bird friendly, insula translucent interlayers. Please note some options Visible Light Solar Heat Gain Coefficient (SHGC) 0.74 O.64 ASTM C1036 ASTM C1172 Isoclima Specialty Glass, LLC and Global Security of Program that ensures one firm has handled and in All glass should be installed in accordance with the Association of North America (GANA) Glazing and	BR-155 This is a glass laminate, no exposed plastic (polycarbonate, PET, etc.). Ex ASTM F1233-21 Class 2.3 Contraband, Class 3.3 Body NIJ 0108.01 Level IIIA 5 shots 44 Magnum SWCGC + 5 shots 9mm FMJ Pr. 1.812" 1.691-1.935" 22.51 lbs./ft2 12x12" 60x96" Tinted glass, low iron glass, printed (spandrel and pattern screen printing including transparent mirror, bird friendly, insulating glass units (IGU), stranslucent interlayers. Please note some options may increase OA thick. Visible Light Solar Heat Gain U-Value Transmission (VLT) Coefficient (SHGC) (BTU/hr*ft² * °F) 0.74 0.64 0.75 ASTM C1036 ASTM C1172 ANSI Z97.1/CPSC Isoclima Specialty Glass, LLC and Global Security Glazing products are co Program that ensures one firm has handled and is accountable for all ph All glass should be installed in accordance with the guidelines set forth in Association of North America (GANA) Glazing and Sealant Manuals. Glaz		

















Security Glazing						
PRODUCT NAME:	UL LEVEL 3 - BULLET RESISTANT GLASS					
PRODUCT CODE:	BR-233					
CONSTRUCTION:	This is a glass laminate, r	This is a glass laminate, no exposed plastic (polycarbonate, PET, etc.). Exact Construction is Proprietary.				
PERFORMANCE TESTING:	ASTM F1233-21 Class 2.3	3 Contraband, Class 3.3 B	ody			
	NIJ 0108.01 Level IIIA 5 s	hots 44 Magnum SWCG(C + 5 shots 9mm FMJ Pro	otection		
THICKNESS:	2.136"					
THICKNESS TOLERANCE:	1.992-2.279"					
WEIGHT:	26.38 lbs./ft2					
MINIMUM SIZE:	12x12"					
MAXIMUM SIZE:	60x96"					
OPTIONS:	Tinted glass, low iron glass, printed (spandrel and pattern screen printing) glass, low-e glass, reflective including transparent mirror, bird friendly, insulating glass units (IGU), switchable smart glass, tinted at translucent interlayers. <i>Please note some options may increase OA thickness</i> .					
TECHNICAL DATA:	Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database		
	0.71	0.61	0.74	info available at the time		
APPLICABLE STANDARDS:	ASTM C1036	ASTM C1172	ANSI Z97.1/CPSC	16 CFR 1201 (Cat I & II Impact)		
SINGLE RESPONSIBILITY:	Isoclima Specialty Glass, LLC and Global Security Glazing products are covered by our Single Responsibility Program that ensures one firm has handled and is accountable for all phases of manufacturing.					
INSTALLATION:	All glass should be instal	led in accordance with th	ne guidelines set forth in	the current edition of the Glass		
	_	erica (GANA) Glazing and	l Sealant Manuals. Glazi	ng systems should incorporate a		
	Association of North Am	erica (GANA) Glazing and oisture and water to esca	l Sealant Manuals. Glazi	ng systems should incorporate a		
	Association of North Am weep system to allow m Recommended Clearanc Face: 1/8" per side	erica (GANA) Glazing and oisture and water to escand escand	l Sealant Manuals. Glazi	ng systems should incorporate a		
	Association of North Am weep system to allow m	erica (GANA) Glazing and oisture and water to escand escand	l Sealant Manuals. Glazi	ng systems should incorporate a		

















PRODUCT NAME:	3/8" CHILDGARD®					
PRODUCT CODE:	CHILDGARD					
CONSTRUCTION:	This is a glass laminate, no exposed plastic (polycarbonate, PET, etc.). Exact Construction is Proprietary.					
PERFORMANCE TESTING:	FORCED ENTRY:					
	ASTM F3561-22 Level 8					
	ASTM F1233-08 Class 1.4	4 Body Passage / Class 1.	3 Contraband			
	5-aa1 rated to 10 minute	es 1 seconds				
	UL 972 Listed for Burgla	ry Resistance				
THICKNESS: THICKNESS	.404"					
TOLERANCE: WEIGHT:	.380"426"					
MINIMUM SIZE:	4.18 lbs/ft²					
MAXIMUM SIZE:	10" x 10"					
OPTIONS:	60 x 96" or 40" x 102"					
	including transparent m		ting glass units (IGU), sw	g) glass, low-e glass, reflective glass witchable smart glass, tinted and ness.		
TECHNICAL DATA:	Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database		
	0.819	0.731	0.921	info available at the time		
APPLICABLE STANDARDS:	ASTM C1036 ASTM C1048	ASTM C1172	ANSI Z97.1/C	PSC 16 CFR 1201 (Cat &)		
SINGLE RESPONSIBILITY:	Isoclima Specialty Glass,	LLC and Global Security ne firm has handled and i		vered by our Single Responsibility™ ases of manufacturing.		
INSTALLATION:	Association of North Am	nerica (GANA) Glazing and oisture and water to escree:	d Sealant Manuals. Glazi	the current edition of the Glass ng systems should incorporate a		
	Bite: 1/2"					

















Secui	rity Glazing								
PRODUCT NA	AME:	9/16" CHILDGARD® 2	118						
PRODUCT CO	DDE:	CHILDGARD 2118							
CONSTRUCTI	ION:	This is a glass laminate,	nis is a glass laminate, no exposed plastic (polycarbonate, PET, etc.). Exact Construction is Proprietary.						
PERFORMAN	ICE TESTING:	FORCED ENTRY:							
		ASTM F3561-22 Level 8							
		ASTM F1233-08 Class 1.4	4 Body Passage / Class 1.3	3 Contraband					
		5-aa1 rated for 16 minut	tes						
		BULLET RESISTANT:							
		NIJ 0108.01 Level II 5 sh	ots 9mm FMJ Protection						
		NIJ 0108.01 Level IIA 5 s	hots 9mm FMJ Protection	1					
		Tested to H.P. White Lev	vel A for Bullet Resistance	(3 shots from a .38 Spe	cial. Spall, No Penetration)				
THICKNESS:	THICKNESS	.527"							
TOLERANCE:	WEIGHT:	.479"573"							
MINIMUM	SIZE:	4.95 lbs/ft²							
MAXIMUM	SIZE:	10" x 10"							
OPTIONS:		60 x 96"							
		including transparent m		ting glass units (IGU), sw) glass, low-e glass, reflective glass ritchable smart glass, tinted and ess.				
TECHNICAL D	DATA:	Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database				
		0.807	0.726	0.841	info available at the time				
APPLICABLE	STANDARDS:	ASTM C1036	ASTM C1349	ANSI Z97.1/CPSC	16 CFR 1201 (Cat I & II Impact)				
		ASTM C1048	ASTM C1422						
SINGLE RESP	ONSIBILITY:	I ' '	LLC and Global Security one firm has handled and i	= :	ered by our Single Responsibility™ ises of manufacturing.				
INSTALLATIO	N:	_		=	the current edition of the Glass				
			erica (GANA) Glazing and oisture and water to esca		ng systems should incorporate a				
		Recommended Clearance	e:						
		Face: 1/8" per sid	e						
		Edge: 1/4"							
		Bite: 1/2"							
		,							

















	urity Glazing							
PRODUCT N	IAME:	1.154" SOLARBAN™ 60 ON GRAY #2 FT (3/8" BLACK LPD) CHILDGARD® 2118						
PRODUCT C	ODE:	CHILDGARD 2118 IGU						
CONSTRUCT	ΓΙΟΝ:	This is a glass laminate IGU, no exposed plastic (polycarbonate, PET, etc.). Exact Construction is Proprietary.						
PERFORMA	NCE TESTING:	FORCED ENTRY:						
		ASTM F3561-22 Level 8						
		ASTM F1233-08 Class 1.4	4 Body Passage / Class 1.3	3 Contraband				
		5-aa1 rated for 16 minut	tes					
		BULLET RESISTANT:						
		NIJ 0108.01 Level II 5 sho	ots 9mm FMJ Protection					
		NIJ 0108.01 Level IIA 5 sl	hots 9mm FMJ Protection)				
		Tested to H.P. White Lev	vel A for Bullet Resistance	(3 shots from a .38 Spe	ecial. Spall, No Penetration)			
THICKNESS:	THICKNESS	1.154"						
TOLERANCE	: WEIGHT:	1.088"-1.217"						
MINIMUM	SIZE:	8.22 lbs/ft ²						
MAXIMUM	SIZE:	: 12x12"						
OPTIONS:		60 x 96"						
		Tillica glass, low iron gla	ass, printed (spandrei and	pattern screen printing	g) glass, low-e glass, reflective glass			
TECHNICAL	DATA:	including transparent mitranslucent interlayers. I	irror, bird friendly, insula Please note some options Solar Heat Gain	ting glass units (IGU), sv may increase OA thick U-Value	witchable smart glass, tinted and ness. *Transmittance values are calculated using LBNL			
TECHNICAL	DATA:	including transparent m translucent interlayers. I	irror, bird friendly, insula Please note some options	ting glass units (IGU), so may increase OA thick U-Value (BTU/hr*ft² * °F)	witchable smart glass, tinted and ness.			
TECHNICAL APPLICABLE	DATA: STANDARDS:	including transparent mi translucent interlayers. I Visible Light Transmission (VLT)	irror, bird friendly, insula Please note some options Solar Heat Gain Coefficient (SHGC)	ting glass units (IGU), so may increase OA thick U-Value (BTU/hr*ft² * °F) 0.298	witchable smart glass, tinted and ness. *Transmittance values are calculated using LBNL Window & Optics Software with the latest database			
APPLICABLE		including transparent mitranslucent interlayers. It visible Light Transmission (VLT) 0.321 ASTM C1036 ASTM C1048 Isoclima Specialty Glass,	irror, bird friendly, insular Please note some options Solar Heat Gain Coefficient (SHGC) 0.252 ASTM C1349 ASTM C1422	ting glass units (IGU), so may increase OA thicks U-Value (BTU/hr*ft² * °F) 0.298 ANSI Z97.1/CPSC	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database info available at the time 2.16 CFR 1201 (Cat I & II Impact) wered by our Single Responsibility **Market Software**			
APPLICABLE	STANDARDS:	including transparent mitranslucent interlayers. It visible Light Transmission (VLT) 0.321 ASTM C1036 ASTM C1048 Isoclima Specialty Glass, Program that ensures or All glass should be instal Association of North Am	irror, bird friendly, insular Please note some options Solar Heat Gain Coefficient (SHGC) 0.252 ASTM C1349 ASTM C1422 LLC and Global Security one firm has handled and insulation in the second consture and water to escape:	U-Value (BTU/hr*ft² * °F) 0.298 ANSI Z97.1/CPSC	*Transmittance values are calculated using L Window & Optics Software with the latest date info available at the time 2.16 CFR 1201 (Cat I & II Impact) vered by our Single Responsibility asses of manufacturing.			

















Residential Sport Company (Com							
PRODUCT NAME:	LEXGARD® MP 1000						
PRODUCT CODE:	MP 1000						
CONSTRUCTION:	This is a glass laminate, no exposed plastic (polycarbonate, PET, etc.). Exact Construction is Proprietary.						
PERFORMANCE TESTING:	ASTM F1233-21 Class 2.3	ASTM F1233-21 Class 2.3 Contraband, Class 3.3 Body					
	NIJ 0108.01 Level IIIA 5 s	shots 44 Magnum SWCG	C + 5 shots 9mm FMJ Pr	otection			
THICKNESS:	1.03"						
THICKNESS TOLERANCE:	.930-1.130"						
WEIGHT:	6.41 lbs./ft2						
MINIMUM SIZE:	12x12"						
MAXIMUM SIZE:	60x96"						
OPTIONS:	including transparent m		ting glass units (IGU), s	g) glass, low-e glass, reflective glass witchable smart glass, tinted and ness.			
TECHNICAL DATA:	Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database			
	0.65	0.88	0.68	info available at the time			
APPLICABLE STANDARDS:	ASTM C1036	ASTM C 1172	ANSI Z97.1/CPS0	C 16 CFR 1201 (Cat I & II Impact)			
SINGLE RESPONSIBILITY:	Isoclima Specialty Glass, LLC and Global Security Glazing products are covered by our Single Responsibility™ Program that ensures one firm has handled and is accountable for all phases of manufacturing.						
INSTALLATION:	All glass should be installed in accordance with the guidelines set forth in the current edition of the Glass Association of North America (GANA) Glazing and Sealant Manuals. Glazing systems should incorporate a weep system to allow moisture and water to escape the glazing channel.						
	Recommended Clearance	e:					
	Face: 1/8" per sid						
	Edge: 3/8"	<u> </u>					
	Bite: 1"						

















PRODUCT NAME:	LEXGARD® MP 750					
PRODUCT CODE:	MP 750					
CONSTRUCTION:	This is a glass laminate, I	This is a glass laminate, no exposed plastic (polycarbonate, PET, etc.). Exact Construction is Proprietary.				
PERFORMANCE TESTING:	ASTM F1233-21 Class 2.3	3 Contraband, Class 3.3 B	ody			
	NIJ 0108.01 Level IIIA 5 s	shots 44 Magnum SWCG0	C + 5 shots 9mm FMJ Pr	otection		
THICKNESS:	.766"					
THICKNESS TOLERANCE:	.960842"					
WEIGHT:	4.76 lbs/ft2					
MINIMUM SIZE:	12x12"					
MAXIMUM SIZE:	60x96"					
OPTIONS:	Tinted glass, low iron glass, printed (spandrel and pattern screen printing) glass, low-e glass, reflective g including transparent mirror, bird friendly, insulating glass units (IGU), switchable smart glass, tinted an translucent interlayers. <i>Please note some options may increase OA thickness</i> .					
TECHNICAL DATA:	Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest databas		
	0.8	0.78	0.67	info available at the time		
ADDUCABLE CTANDADDC.						
APPLICABLE STANDARDS:						
SINGLE RESPONSIBILITY:	The state of the s	LLC and Global Security ne firm has handled and i		overed by our Single Responsibility™ nases of manufacturing.		
SINGLE RESPONSIBILITY:	Program that ensures or All glass should be instal Association of North Am	ne firm has handled and i	s accountable for all ph ne guidelines set forth i I Sealant Manuals. Glaz	nases of manufacturing. In the current edition of the Glass ting systems should incorporate a		
SINGLE RESPONSIBILITY:	Program that ensures or All glass should be instal Association of North Am	ne firm has handled and i led in accordance with therica (GANA) Glazing and oisture and water to esc	s accountable for all ph ne guidelines set forth i I Sealant Manuals. Glaz	nases of manufacturing. In the current edition of the Glass ting systems should incorporate a		
	All glass should be instal Association of North Am weep system to allow m	ne firm has handled and in led in accordance with the lerica (GANA) Glazing and oisture and water to escape:	s accountable for all ph ne guidelines set forth i I Sealant Manuals. Glaz	nases of manufacturing. In the current edition of the Glass ting systems should incorporate a		
SINGLE RESPONSIBILITY:	All glass should be instal Association of North Am weep system to allow m	ne firm has handled and in led in accordance with the lerica (GANA) Glazing and oisture and water to escape:	s accountable for all ph ne guidelines set forth i I Sealant Manuals. Glaz	nases of manufacturing. In the current edition of the Glass ting systems should incorporate a		

















LEXGARD® MPC 375					
MPC 375					
This is a glass laminate, no exposed plastic (polycarbonate, PET, etc.). Exact Construction is Proprietary.					
ASTM F1233-21 Class 2.3	3 Contraband, Class 3.3 E	ody			
NIJ 0108.01 Level IIIA 5 s	hots 44 Magnum SWCG	C + 5 shots 9mm FMJ Pr	otection		
.369"					
.332406"					
2.29 lbs/ft2					
12x12"					
60x96"					
Tinted glass, low iron glass, printed (spandrel and pattern screen printing) glass, low-e glass, reflective glas including transparent mirror, bird friendly, insulating glass units (IGU), switchable smart glass, tinted and translucent interlayers. <i>Please note some options may increase OA thickness</i> .					
Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database		
0.77	0.92	0.84	info available at the time		
Isoclima Specialty Glass, LLC and Global Security Glazing products are covered by our Single Responsibility™ Program that ensures one firm has handled and is accountable for all phases of manufacturing.					
Association of North Am	ing systems should incorporate a				
Recommended Clearance	e:				
	C				
Bite: 1"					
	MPC 375 This is a glass laminate, in ASTM F1233-21 Class 2.3 NIJ 0108.01 Level IIIA 5 st. 369" .332406" 2.29 lbs/ft2 12x12" 60x96" Tinted glass, low iron glatincluding transparent mit translucent interlayers. If the strength of the st	MPC 375 This is a glass laminate, no exposed plastic (polycolors) ASTM F1233-21 Class 2.3 Contraband, Class 3.3 B NIJ 0108.01 Level IIIA 5 shots 44 Magnum SWCGO .369" .332406" 2.29 lbs/ft2 12x12" 60x96" Tinted glass, low iron glass, printed (spandrel and including transparent mirror, bird friendly, insula translucent interlayers. Please note some options Visible Light Transmission (VLT) O.77 O.92 Isoclima Specialty Glass, LLC and Global Security of the contract of	MPC 375 This is a glass laminate, no exposed plastic (polycarbonate, PET, etc.). Ex ASTM F1233-21 Class 2.3 Contraband, Class 3.3 Body NIJ 0108.01 Level IIIA 5 shots 44 Magnum SWCGC + 5 shots 9mm FMJ Pr .369" .332406" 2.29 lbs/ft2 12x12" 60x96" Tinted glass, low iron glass, printed (spandrel and pattern screen printing including transparent mirror, bird friendly, insulating glass units (IGU), so translucent interlayers. Please note some options may increase OA thick. Visible Light Solar Heat Gain Coefficient (SHGC) (BTU/hr*ft² * °F) 0.77 0.92 0.84 Isoclima Specialty Glass, LLC and Global Security Glazing products are co Program that ensures one firm has handled and is accountable for all ph Association of North America (GANA) Glazing and Sealant Manuals. Glaz weep system to allow moisture and water to escape the glazing channel Recommended Clearance: Face: 1/8" per side Edge: 3/8"		

















PRODUCT NAME:	LEXGARD® MPC 500					
PRODUCT CODE:	MPC 500					
CONSTRUCTION:	This is a glass laminate,	no exposed plastic (polyc	arbonate, PET, etc.). Ex	act Construction is Proprietary.		
PERFORMANCE TESTING:	ASTM F1233-21 Class 2.3	3 Contraband, Class 3.3 B	ody			
	NIJ 0108.01 Level IIIA 5 s	shots 44 Magnum SWCG	C + 5 shots 9mm FMJ Pr	otection		
THICKNESS:	.486"					
THICKNESS TOLERANCE:	.138534"					
WEIGHT:	3.04 lbs/ft2					
MINIMUM SIZE:	12x12"					
MAXIMUM SIZE:	60x96"					
	translucent interlayers.	Please note some options	may increase OA thick	witchable smart glass, tinted and ness.		
TECHNICAL DATA:	Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest databas		
	0.72	0.90	0.77	info available at the time		
APPLICABLE STANDARDS:						
SINGLE RESPONSIBILITY:	Isoclima Specialty Glass, LLC and Global Security Glazing products are covered by our Single Responsibility™ Program that ensures one firm has handled and is accountable for all phases of manufacturing.					
INSTALLATION:	All glass should be installed in accordance with the guidelines set forth in the current edition of Association of North America (GANA) Glazing and Sealant Manuals. Glazing systems should incover weep system to allow moisture and water to escape the glazing channel.					
	Recommended Clearance	e:				
	Face: 1/8" per sid					
	Edge: 3/8"	-				
	<u> </u>					
	Bite: 1"					















Specialty Glass, LLC PRODUCT SPECIFICATIONS



PRODUCT NAME:	LEXGARD® RC 750					
PRODUCT CODE:	RC 750					
CONSTRUCTION:	This is a glass laminate, r	This is a glass laminate, no exposed plastic (polycarbonate, PET, etc.). Exact Construction is Proprietary.				
PERFORMANCE TESTING:	ASTM F1233-21 Class 2.3	3 Contraband, Class 3.3 B	ody			
	NIJ 0108.01 Level IIIA 5 s	hots 44 Magnum SWCG0	C + 5 shots 9mm FMJ Pr	otection		
THICKNESS:	.766"					
THICKNESS TOLERANCE:	.690842"					
WEIGHT:	4.76 lbs/ft2					
MINIMUM SIZE:	12x12"					
MAXIMUM SIZE:	60x96"					
OPTIONS:	Tinted glass, low iron glass, printed (spandrel and pattern screen printing) glass, low-e glass, reflective gincluding transparent mirror, bird friendly, insulating glass units (IGU), switchable smart glass, tinted an translucent interlayers. <i>Please note some options may increase OA thickness</i> .					
TECHNICAL DATA:	Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest databas		
	0.65	0.88	0.68	info available at the time		
APPLICABLE STANDARDS:						
SINGLE RESPONSIBILITY:	Isoclima Specialty Glass, Program that ensures or			vered by our Single Responsibility™ ases of manufacturing.		
	Program that ensures or All glass should be instal	ne firm has handled and i led in accordance with the erica (GANA) Glazing and	s accountable for all ph ne guidelines set forth in I Sealant Manuals. Glaz	ases of manufacturing. In the current edition of the Glassing systems should incorporate a		
SINGLE RESPONSIBILITY: INSTALLATION:	Program that ensures or All glass should be instal Association of North Am	ne firm has handled and in led in accordance with the erica (GANA) Glazing and oisture and water to esca	s accountable for all ph ne guidelines set forth in I Sealant Manuals. Glaz	ases of manufacturing. In the current edition of the Glassing systems should incorporate a		
	All glass should be instal Association of North Am weep system to allow m	ne firm has handled and in led in accordance with the lerica (GANA) Glazing and oisture and water to esca	s accountable for all ph ne guidelines set forth in I Sealant Manuals. Glaz	ases of manufacturing. In the current edition of the Glassing systems should incorporate a		
	All glass should be instal Association of North Am weep system to allow m	ne firm has handled and in led in accordance with the lerica (GANA) Glazing and oisture and water to esca	s accountable for all ph ne guidelines set forth in I Sealant Manuals. Glaz	ases of manufacturing. In the current edition of the Glassing systems should incorporate a		

















LEXGARD® RS 1250						
RS 1250						
This is a glass laminate, I	This is a glass laminate, no exposed plastic (polycarbonate, PET, etc.). Exact Construction is Proprietary.					
ASTM F1233-21 Class 2.3	ASTM F1233-21 Class 2.3 Contraband, Class 3.3 Body					
NIJ 0108.01 Level IIIA 5 s	hots 44 Magnum SWCG0	C + 5 shots 9mm FMJ Pro	otection			
1.28"						
1.15-1.41"						
7.97 lbs./ft2						
12x12"						
60x96"						
including transparent m	irror, bird friendly, insula	ting glass units (IGU), sv	vitchable smart glass, tinted and			
Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database			
0.71	0.75	0.55	info available at the time			
ASTM C1036	ASTM C 1172	ANSI Z97.1/CPSC	16 CFR 1201 (Cat I & II Impact)			
Isoclima Specialty Glass, LLC and Global Security Glazing products are covered by our Single Responsibility™ Program that ensures one firm has handled and is accountable for all phases of manufacturing.						
All glass should be installed in accordance with the guidelines set forth in the current edition of the Glass Association of North America (GANA) Glazing and Sealant Manuals. Glazing systems should incorporate a weep system to allow moisture and water to escape the glazing channel.						
Recommended Clearance	e:					
	-					
_ ·						
Bite: 1"						
	RS 1250 This is a glass laminate, in ASTM F1233-21 Class 2.3 NIJ 0108.01 Level IIIA 5 st 1.28" 1.15-1.41" 7.97 lbs./ft2 12x12" 60x96" Tinted glass, low iron glatincluding transparent mit translucent interlayers. If the company of the company o	RS 1250 This is a glass laminate, no exposed plastic (polycolors) ASTM F1233-21 Class 2.3 Contraband, Class 3.3 B NIJ 0108.01 Level IIIA 5 shots 44 Magnum SWCGC 1.28" 1.15-1.41" 7.97 lbs./ft2 12x12" 60x96" Tinted glass, low iron glass, printed (spandrel and including transparent mirror, bird friendly, insula translucent interlayers. Please note some options Visible Light Transmission (VLT) 0.71 0.75 ASTM C1036 ASTM C 1172 Isoclima Specialty Glass, LLC and Global Security of Program that ensures one firm has handled and including transparent mirror, bird friendly, insulationally insulations and the state of the	RS 1250 This is a glass laminate, no exposed plastic (polycarbonate, PET, etc.). Exception of the property of			















Specialty Glass, LLC PRODUCT SPECIFICATIONS



Security Glazing						
PRODUCT NAME:	LEXGARD® SP 1250					
PRODUCT CODE:	SP 1250	SP 1250				
CONSTRUCTION:	This is a glass laminate, no exposed plastic (polycarbonate, PET, etc.). Exact Construction is Proprietary.					
PERFORMANCE TESTING:	ASTM F1233-21 Class 2.3	3 Contraband, Class 3.3 B	ody			
	NIJ 0108.01 Level IIIA 5 s	shots 44 Magnum SWCG	C + 5 shots 9mm FMJ Pro	otection		
THICKNESS:	1.28"					
THICKNESS TOLERANCE:	1.15-1.41"					
WEIGHT:	7.97 lbs./ft2					
MINIMUM SIZE:	12x12"					
MAXIMUM SIZE:	60x96"					
OPTIONS:	Tinted glass, low iron glass, printed (spandrel and pattern screen printing) glass, low-e glass, reflective gla including transparent mirror, bird friendly, insulating glass units (IGU), switchable smart glass, tinted and translucent interlayers. <i>Please note some options may increase OA thickness</i> .					
TECHNICAL DATA:	Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest databas		
	0.63	0.83	0.53	info available at the time		
APPLICABLE STANDARDS:	ASTM C1036	ASTM C 1172	ANSI Z97.1/CPSC	16 CFR 1201 (Cat I & II Impact)		
SINGLE RESPONSIBILITY:	Isoclima Specialty Glass, LLC and Global Security Glazing products are covered by our Single Responsibility™ Program that ensures one firm has handled and is accountable for all phases of manufacturing.					
INSTALLATION:	Association of North Am		d Sealant Manuals. Glazi	n the current edition of the Glass ing systems should incorporate a		

















Security Glazing						
PRODUCT NAME:	2 1/2" Clear INFERNOGARD® 90-2114					
PRODUCT CODE:	INFERNOGARD 90-21	14				
CONSTRUCTION:	This is a glass laminate, no exposed plastic (polycarbonate, PET, etc.). Exact Construction is Proprietary.					
PERFORMANCE TESTING:	ASTM F1233-21 Class 2.3 Contraband, Class 3.3 Body					
	NIJ 0108.01 Level IIIA 5 s	shots 44 Magnum SWCG0	C + 5 shots 9mm FMJ Pro	otection		
THICKNESS:	2.43"					
THICKNESS TOLERANCE:	2.26-2.62"					
WEIGHT:	19.3 lbs./ft2					
MINIMUM SIZE:	12x12"					
MAXIMUM SIZE:	60x96"					
OPTIONS:	Tinted glass, low iron glass, printed (spandrel and pattern screen printing) glass, low-e glass, reflective glass including transparent mirror, bird friendly, insulating glass units (IGU), switchable smart glass, tinted and translucent interlayers. <i>Please note some options may increase OA thickness</i> .					
TECHNICAL DATA:	Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database		
	N/A	N/A	N/A	info available at the time		
4 DDI 16 4 DI 5 6 TAND 4 DD6	ASTM C1036	ASTM C1349		16 CEP 1201 (Cat I & II Impact)		
APPLICABLE STANDARDS:	ASTM C1048	ASTM C1422	ANSI Z97.1/CPSC 16 CFR 1201 (Cat I & II Impact) NFPA 80			
SINGLE RESPONSIBILITY:	Isoclima Specialty Glass, LLC and Global Security Glazing products are covered by our Single Responsibility™ Program that ensures one firm has handled and is accountable for all phases of manufacturing.					
INSTALLATION:	All glass should be installed in accordance with the guidelines set forth in the current edition of the Glass Association of North America (GANA) Glazing and Sealant Manuals. Glazing systems should incorporate a weep system to allow moisture and water to escape the glazing channel.					
	Recommended Clearance	e:				
	Face: 1/8" per side					
	Edge: 3/8"	-				

















Security Glazing						
PRODUCT NAME:	2 3/8" CLEAR INFERNOGARD® 90-2115					
PRODUCT CODE:	INFERNOGARD 90-21	15				
CONSTRUCTION:	This is a glass laminate, no exposed plastic (polycarbonate, PET, etc.). Exact Construction is Proprietary.					
PERFORMANCE TESTING:	ASTM F1233-21 Class 2.3 Contraband, Class 3.3 Body					
	NIJ 0108.01 Level IIIA 5 s	shots 44 Magnum SWCG0	C + 5 shots 9mm FMJ Pr	otection		
THICKNESS:	2.1325"					
THICKNESS TOLERANCE:	2.17-2.50"					
WEIGHT:	18.6 lbs./ft2					
MINIMUM SIZE:	12x12"					
MAXIMUM SIZE:	60x96"					
OPTIONS:	Tinted glass, low iron glass, printed (spandrel and pattern screen printing) glass, low-e glass, reflective glas including transparent mirror, bird friendly, insulating glass units (IGU), switchable smart glass, tinted and translucent interlayers. <i>Please note some options may increase OA thickness</i> .					
TECHNICAL DATA:	Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database		
	N/A	N/A	N/A	info available at the time		
ADDUCADUE CTANDADDC.	ASTM C1036	ASTM C1349	· · · · · · · · · · · · · · · · · · ·	16 CFR 1201 (Cat I & II Impact)		
APPLICABLE STANDARDS:	ASTM C1048	ASTM C1422	NFPA 80			
SINGLE RESPONSIBILITY:	Isoclima Specialty Glass, LLC and Global Security Glazing products are covered by our Single Responsibility™ Program that ensures one firm has handled and is accountable for all phases of manufacturing.					
INSTALLATION:	All glass should be installed in accordance with the guidelines set forth in the current edition of the Glass Association of North America (GANA) Glazing and Sealant Manuals. Glazing systems should incorporate a weep system to allow moisture and water to escape the glazing channel.					
	Recommended Clearance	e:				
	Face: 1/8" per side					
	Edge: 3/8"	-				















Specialty Glass, LLC PRODUCT SPECIFICATIONS



Security Glazing						
PRODUCT NAME:	2 5/16' CLEAR INFERNOGARD® 90-2116					
PRODUCT CODE:	INFERNOGARD 90-2116					
CONSTRUCTION:	This is a glass laminate, no exposed plastic (polycarbonate, PET, etc.). Exact Construction is Proprietary.					
PERFORMANCE TESTING:	ASTM F1233-21 Class 2.3	3 Contraband, Class 3.3 B	ody			
	NIJ 0108.01 Level IIIA 5 shots 44 Magnum SWCGC + 5 shots 9mm FMJ Protection					
THICKNESS:	2.27"					
THICKNESS TOLERANCE:	2.14-2.47"					
WEIGHT:	18.5 lbs./ft2					
MINIMUM SIZE:	12x12"					
MAXIMUM SIZE:	60x96"					
OPTIONS:	Tinted glass, low iron glass, printed (spandrel and pattern screen printing) glass, low-e glass, reflective glass including transparent mirror, bird friendly, insulating glass units (IGU), switchable smart glass, tinted and translucent interlayers. <i>Please note some options may increase OA thickness</i> .					
TECHNICAL DATA:	Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database		
	N/A	N/A	N/A	info available at the time		
APPLICABLE STANDARDS:	ASTM C1036	ASTM C1349	ANSI Z97.1/CPS0	C 16 CFR 1201 (Cat I & II Impact)		
	ASTM C1048	ASTM C1422	NFPA 80			
SINGLE RESPONSIBILITY:	Isoclima Specialty Glass, LLC and Global Security Glazing products are covered by our Single Responsibility™ Program that ensures one firm has handled and is accountable for all phases of manufacturing.					
INSTALLATION:	All glass should be installed in accordance with the guidelines set forth in the current edition of the Glass Association of North America (GANA) Glazing and Sealant Manuals. Glazing systems should incorporate a weep system to allow moisture and water to escape the glazing channel.					
	Recommended Clearance	e:				
	Face: 1/8" per side					
	race: 1/8 per sid	e				
	Edge: 3/8"	e				

















Security Glazing					
PRODUCT NAME:	2-5/32" CLEAR INFER	NOGARD® 90-2117			
PRODUCT CODE:	INFERNOGARD 90-2117				
CONSTRUCTION:	This is a glass laminate, no exposed plastic (polycarbonate, PET, etc.). Exact Construction is Proprietary.				
PERFORMANCE TESTING:	ASTM F1233-21 Class 2.3	3 Contraband, Class 3.3 B	ody		
	NIJ 0108.01 Level IIIA 5 s	shots 44 Magnum SWCG0	C + 5 shots 9mm FMJ Pro	otection	
THICKNESS:	2.12"				
THICKNESS TOLERANCE:	2-2.30"				
WEIGHT:	17.5 lbs./ft2				
MINIMUM SIZE:	12x12"				
MAXIMUM SIZE:	60x96"				
OPTIONS:	Tinted glass, low iron glass, printed (spandrel and pattern screen printing) glass, low-e glass, reflective glain including transparent mirror, bird friendly, insulating glass units (IGU), switchable smart glass, tinted and translucent interlayers. <i>Please note some options may increase OA thickness</i> .				
TECHNICAL DATA:	Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database	
	N/A	N/A	N/A	info available at the time	
APPLICABLE STANDARDS:	ASTM C1036	ASTM C1349		16 CFR 1201 (Cat I & II Impact)	
APPLICABLE STANDARDS.	ASTM C1048	ASTM C1422	NFPA 80	, 10 of 11 12 of (out 1 of 11 impact)	
SINGLE RESPONSIBILITY:	Isoclima Specialty Glass, LLC and Global Security Glazing products are covered by our Single Responsibility™ Program that ensures one firm has handled and is accountable for all phases of manufacturing.				
INSTALLATION:	All glass should be installed in accordance with the guidelines set forth in the current edition of the Glass Association of North America (GANA) Glazing and Sealant Manuals. Glazing systems should incorporate a weep system to allow moisture and water to escape the glazing channel.				
	Recommended Clearance	e:			
	Face: 1/8" per side				
	Edge: 3/8"	-			
	, -				

















Security Glazing						
PRODUCT NAME:	2 1/16" CLEAR INFERNOGARD® 90-2119					
PRODUCT CODE:	INFERNOGARD 90-2119					
CONSTRUCTION:	This is a glass laminate, no exposed plastic (polycarbonate, PET, etc.). Exact Construction is Proprietary.					
PERFORMANCE TESTING:	ASTM F1233-21 Class 2.3 Contraband, Class 3.3 Body NIJ 0108.01 Level IIIA 5 shots 44 Magnum SWCGC + 5 shots 9mm FMJ Protection					
THICKNESS:	2.02"					
THICKNESS TOLERANCE:	1.91-2.19"					
WEIGHT:	16.9 lbs./ft2					
MINIMUM SIZE:	12x12"					
MAXIMUM SIZE:	60x96"					
OPTIONS:		rror, bird friendly, insula	ting glass units (IGU), sw	a) glass, low-e glass, reflective glass witchable smart glass, tinted and seess.		
TECHNICAL DATA:	Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database info available at the time		
	N/A	N/A	N/A			
APPLICABLE STANDARDS:	ASTM C1036 ASTM C1048	ASTM C1349 ASTM C1422	ANSI Z97.1/CPSC NFPA 80	16 CFR 1201 (Cat & Impact)		
SINGLE RESPONSIBILITY:	Isoclima Specialty Glass, Program that ensures or		= :	vered by our Single Responsibility™ ases of manufacturing.		
INSTALLATION:	Association of North Am weep system to allow m Recommended Clearance Face: 1/8" per side	erica (GANA) Glazing and oisture and water to escand water to escand escand	l Sealant Manuals. Glazi	the current edition of the Glass ng systems should incorporate a		
	Edge: 3/8"					
	Bite: 1"					

















Security Glazing					
PRODUCT NAME:	3 31/32" CLEAR INFE	RNOGARD® 90-DBP08			
PRODUCT CODE:	INFERNOGARD 90-DBP08				
CONSTRUCTION:	This is a glass laminate, no exposed plastic (polycarbonate, PET, etc.). Exact Construction is Proprietary.				
PERFORMANCE TESTING:	ASTM F1233-21 Class 2.	3 Contraband, Class 3.3 E	Body		
	NIJ 0108.01 Level IIIA 5 shots 44 Magnum SWCGC + 5 shots 9mm FMJ Protection				
THICKNESS:	3.97"				
THICKNESS TOLERANCE:	3.71-4.25"				
WEIGHT:	39.2 lbs./ft2				
MINIMUM SIZE:	12x12"				
MAXIMUM SIZE:	60x96"				
OPTIONS:	Tinted glass, low iron glass, printed (spandrel and pattern screen printing) glass, low-e glass, reflective including transparent mirror, bird friendly, insulating glass units (IGU), switchable smart glass, tinted a translucent interlayers. <i>Please note some options may increase OA thickness</i> .				
TECHNICAL DATA:	Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database	
	N/A	N/A	N/A	info available at the time	
APPLICABLE STANDARDS:	ASTM C1036	ASTM C1349	ANSI Z97.1/CPSC	: 16 CFR 1201 (Cat I & II Impact)	
	ASTM C1048	NFPA 80			
SINGLE RESPONSIBILITY:	Isoclima Specialty Glass, LLC and Global Security Glazing products are covered by our Single Responsibility™ Program that ensures one firm has handled and is accountable for all phases of manufacturing.				
INSTALLATION:	All glass should be installed in accordance with the guidelines set forth in the current edition of the Glass Association of North America (GANA) Glazing and Sealant Manuals. Glazing systems should incorporate a weep system to allow moisture and water to escape the glazing channel. Recommended Clearance:				
	Face: 1/8" per sid Edge: 3/8"	C			
	,				
	Bite: 1"				

















PRODUCT NAME:	2 1/8" CLEAR INFERN	OGARD® 90-PSYCH 21	18			
PRODUCT CODE:	INFERNOGARD 90-PSYCH 2118					
CONSTRUCTION:	This is a glass laminate, no exposed plastic (polycarbonate, PET, etc.). Exact Construction is Proprietary.					
PERFORMANCE TESTING:	ASTM F1233-21 Class 2.3	3 Contraband, Class 3.3 B	ody			
	NIJ 0108.01 Level IIIA 5	NIJ 0108.01 Level IIIA 5 shots 44 Magnum SWCGC + 5 shots 9mm FMJ Protection				
THICKNESS:	2.12"					
THICKNESS TOLERANCE:	1.96-2.25"					
WEIGHT:	17.2 lbs./ft2					
MINIMUM SIZE:	12x12"					
MAXIMUM SIZE:	60x96"					
OPTIONS:	Tinted glass, low iron glass, printed (spandrel and pattern screen printing) glass, low-e glass, reflective g including transparent mirror, bird friendly, insulating glass units (IGU), switchable smart glass, tinted an translucent interlayers. <i>Please note some options may increase OA thickness</i> .					
TECHNICAL DATA:	Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database		
	N/A	N/A	N/A	info available at the time		
APPLICABLE STANDARDS:	ASTM C1036	ASTM C1349	ANSI Z97.1/CPSC	: 16 CFR 1201 (Cat I & II Impact)		
	ASTM C1048	ASTM C 1422	NFPA 80			
SINGLE RESPONSIBILITY:	Isoclima Specialty Glass, LLC and Global Security Glazing products are covered by our Single Responsibility™ Program that ensures one firm has handled and is accountable for all phases of manufacturing.					
INSTALLATION:	All glass should be installed in accordance with the guidelines set forth in the current edition of the Glass Association of North America (GANA) Glazing and Sealant Manuals. Glazing systems should incorporate a weep system to allow moisture and water to escape the glazing channel.					
	Recommended Clearance	ce:				
	Face: 1/8" per sid	e				
	Edge: 3/8"					
	12460.					

















y anamy						
PRODUCT NAME:	2 5/16" CLEAR INFERNOGARD® 90-SP019					
PRODUCT CODE:	INFERNOGARD 90-SP019					
CONSTRUCTION:	This is a glass laminate, no exposed plastic (polycarbonate, PET, etc.). Exact Construction is Proprietary.					
PERFORMANCE TESTING:	ASTM F1233-21 Class 2.3	3 Contraband, Class 3.3 B	ody			
	NIJ 0108.01 Level IIIA 5 s	NIJ 0108.01 Level IIIA 5 shots 44 Magnum SWCGC + 5 shots 9mm FMJ Protection				
THICKNESS:	2.26"					
THICKNESS TOLERANCE:	2.13-2.46"					
WEIGHT:	18.4 lbs./ft2					
MINIMUM SIZE:	12x12"					
MAXIMUM SIZE:	60x96"					
OPTIONS:	Tinted glass, low iron glass, printed (spandrel and pattern screen printing) glass, low-e glass, reflective including transparent mirror, bird friendly, insulating glass units (IGU), switchable smart glass, tinted translucent interlayers. <i>Please note some options may increase OA thickness</i> .					
TECHNICAL DATA:	Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database		
	N/A	N/A	N/A	info available at the time		
APPLICABLE STANDARDS:	ASTM C1036	ASTM C1349	ANSI Z97.1/CPSC	16 CFR 1201 (Cat I & II Impact)		
				(((
APPLICABLE STANDARDS:	ASTM C1048	ASTM C 1422	NFPA 80	(
SINGLE RESPONSIBILITY:		ASTM C 1422 LLC and Global Security		vered by our Single Responsibility™		
SINGLE RESPONSIBILITY:	Isoclima Specialty Glass, Program that ensures or All glass should be instal	ASTM C 1422 LLC and Global Security ne firm has handled and i led in accordance with the erica (GANA) Glazing and	Glazing products are covers accountable for all phases accountable for all phases accountable for all phases accountable for all phases account and account for a contract the contract for account for a contract for account	vered by our Single Responsibility™ ases of manufacturing. In the current edition of the Glass ing systems should incorporate a		
SINGLE RESPONSIBILITY:	Isoclima Specialty Glass, Program that ensures or All glass should be instal Association of North Am	ASTM C 1422 LLC and Global Security ne firm has handled and i led in accordance with therica (GANA) Glazing and oisture and water to esc	Glazing products are covers accountable for all phases accountable for all phases accountable for all phases accountable for all phases account and account for a contract the contract for account for a contract for account	vered by our Single Responsibility™ ases of manufacturing. In the current edition of the Glass ing systems should incorporate a		
	Isoclima Specialty Glass, Program that ensures or All glass should be instal Association of North Am weep system to allow m Recommended Clearance	ASTM C 1422 LLC and Global Security the firm has handled and it led in accordance with the erica (GANA) Glazing and oisture and water to escue:	Glazing products are covers accountable for all phases accountable for all phases accountable for all phases accountable for all phases account and account for a contract the contract for account for a contract for account	vered by our Single Responsibility™ ases of manufacturing. In the current edition of the Glass ing systems should incorporate a		
SINGLE RESPONSIBILITY:	Isoclima Specialty Glass, Program that ensures or All glass should be instal Association of North Am weep system to allow m Recommended Clearance	ASTM C 1422 LLC and Global Security the firm has handled and it led in accordance with the erica (GANA) Glazing and oisture and water to escue:	Glazing products are covers accountable for all phases accountable for all phases accountable for all phases accountable for all phases account and account for a contract the contract for account for a contract for account	vered by our Single Responsibility™ ases of manufacturing. In the current edition of the Glass on systems should incorporate a		

















Security Glazing					
PRODUCT NAME:	2 13/16" CLEAR INFER	RNOGARD® 90-SP035			
PRODUCT CODE:	INFERNOGARD 90-SP035				
CONSTRUCTION:	This is a glass laminate, no exposed plastic (polycarbonate, PET, etc.). Exact Construction is Proprietary.				
PERFORMANCE TESTING:	ASTM F1233-21 Class 2.3	3 Contraband, Class 3.3 B	ody		
	NIJ 0108.01 Level IIIA 5 s	hots 44 Magnum SWCG0	C + 5 shots 9mm FMJ Pro	otection	
THICKNESS:	2.78"				
THICKNESS TOLERANCE:	2.61-3.01				
WEIGHT:	23.5 lbs./ft2				
MINIMUM SIZE:	12x12"				
MAXIMUM SIZE:	60x96"				
OPTIONS:	Tinted glass, low iron glass, printed (spandrel and pattern screen printing) glass, low-e glass, reflective g including transparent mirror, bird friendly, insulating glass units (IGU), switchable smart glass, tinted an translucent interlayers. <i>Please note some options may increase OA thickness</i> .				
TECHNICAL DATA:	Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database	
	N/A	N/A	N/A	info available at the time	
APPLICABLE STANDARDS:	ASTM C1036	ASTM C1349		: 16 CFR 1201 (Cat I & II Impact)	
AFFLICABLE STANDARDS.	ASTM C1048	ASTM C1422	NFPA 80	(
SINGLE RESPONSIBILITY:	Isoclima Specialty Glass, LLC and Global Security Glazing products are covered by our Single Responsibility™ Program that ensures one firm has handled and is accountable for all phases of manufacturing.				
INSTALLATION:	All glass should be installed in accordance with the guidelines set forth in the current edition of the Glass Association of North America (GANA) Glazing and Sealant Manuals. Glazing systems should incorporate a weep system to allow moisture and water to escape the glazing channel.				
	Recommended Clearanc	e:			
	Face: 1/8" per side				
	· ·	-			
	Edge: 3/8"				

















	NOGARD® 90-SP188			
INFERNOGARD 90-SP188				
This is a glass laminate, no exposed plastic (polycarbonate, PET, etc.). Exact Construction is Proprietary.				
ASTM F1233-21 Class 2.3	Contraband, Class 3.3 B	ody		
NIJ 0108.01 Level IIIA 5 shots 44 Magnum SWCGC + 5 shots 9mm FMJ Protection				
2.44"				
2.28-2.60"				
21.9 lbs./ft2				
12x12"				
60x96"				
Tinted glass, low iron glass, printed (spandrel and pattern screen printing) glass, low-e glass, reflective glass including transparent mirror, bird friendly, insulating glass units (IGU), switchable smart glass, tinted and translucent interlayers. <i>Please note some options may increase OA thickness</i> .				
Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database	
N/A	N/A	N/A	info available at the time	
ASTM C1036 NFPA 80	ASTM C1349	ANSI Z97.1/CPSC	16 CFR 1201 (Cat I & II Impact)	
Isoclima Specialty Glass, LLC and Global Security Glazing products are covered by our Single Responsibility™ Program that ensures one firm has handled and is accountable for all phases of manufacturing.				
All glass should be installed in accordance with the guidelines set forth in the current edition of the Glass Association of North America (GANA) Glazing and Sealant Manuals. Glazing systems should incorporate a weep system to allow moisture and water to escape the glazing channel.				
Recommended Clearance	٥٠			
•	-			
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	ASTM F1233-21 Class 2.3 NJJ 0108.01 Level IIIA 5 s 2.44" 2.28-2.60" 21.9 lbs./ft2 12x12" 50x96" Finted glass, low iron glancluding transparent miteranslucent interlayers. F Visible Light Transmission (VLT) N/A ASTM C1036 NFPA 80 soclima Specialty Glass, Program that ensures on All glass should be installed. Association of North Amweep system to allow me	ASTM F1233-21 Class 2.3 Contraband, Class 3.3 B NIJ 0108.01 Level IIIA 5 shots 44 Magnum SWCGC 2.44" 2.28-2.60" 21.9 lbs./ft2 12x12" 50x96" Finted glass, low iron glass, printed (spandrel and including transparent mirror, bird friendly, insular translucent interlayers. Please note some options Visible Light Solar Heat Gain Coefficient (SHGC) N/A N/A ASTM C1036 ASTM C1349 NFPA 80 soclima Specialty Glass, LLC and Global Security Grogram that ensures one firm has handled and including and including transparent mirror. All glass should be installed in accordance with the Association of North America (GANA) Glazing and weep system to allow moisture and water to escape and the commended Clearance: Recommended Clearance: Face: 1/8" per side Edge: 3/8"	ASTM C1036 ASTM C1036 ASTM C1036 ASTM C1036 ASTM C1036 ASTM Specialty Glass, LLC and Global Security Glazing products are coverogram that ensures one firm has handled and is accountable for all phases system to allow moisture and water to escape the glazing channel. ASTM C1036 ASTM C1	

















ARD 90-SP2 laminate, n 21 Class 2.3	o exposed plastic (polyc	arbonate, PET, etc.). Ex	act Construction is Proprietary			
laminate, n 21 Class 2.3	o exposed plastic (polyc	arbonate, PET, etc.). Ex	act Construction is Proprietary			
21 Class 2.3		arbonate, PET, etc.). Ex	act Construction is Proprietary			
		This is a glass laminate, no exposed plastic (polycarbonate, PET, etc.). Exact Construction is Proprietary.				
evel IIIA 5 sł	Contraband, Class 3.3 B	ody				
NIJ 0108.01 Level IIIA 5 shots 44 Magnum SWCGC + 5 shots 9mm FMJ Protection						
2.53"						
including transparent mirror, bird friendly, insulating glass units (IGU), switchable smart glass, tinte translucent interlayers. <i>Please note some options may increase OA thickness</i> .						
-	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database			
4	N/A	N/A	info available at the time			
	ASTM C1349	ANSI Z97.1/CPSC	: 16 CFR 1201 (Cat I & II Impact)			
Isoclima Specialty Glass, LLC and Global Security Glazing products are covered by our Single Responsibility™ Program that ensures one firm has handled and is accountable for all phases of manufacturing.						
All glass should be installed in accordance with the guidelines set forth in the current edition of the Glass Association of North America (GANA) Glazing and Sealant Manuals. Glazing systems should incorporate a weep system to allow moisture and water to escape the glazing channel.						
ed Clearance	2:					
	-					
-						
	Light on (VLT) A C1036 B0 Cialty Glass, ensures on lid be install f North Ameto allow model Clearance (2/8" per side (3/8")	A STM C1349 Cialty Glass, LLC and Global Security ensures one firm has handled and it of North America (GANA) Glazing and to allow moisture and water to escurity end Clearance: 2./8" per side 5/8"	Light Solar Heat Gain U-Value (BTU/hr*ft² * °F) A N/A N/A C1036 ASTM C1349 ANSI Z97.1/CPSC Stalty Glass, LLC and Global Security Glazing products are contained and is accountable for all phase of the installed in accordance with the guidelines set forth in f North America (GANA) Glazing and Sealant Manuals. Glazing to allow moisture and water to escape the glazing channel.			

















PRODUCT NAME:	2 9/16" CLEAR INFERM	NOGARD® 90-SP028			
PRODUCT CODE:	INFERNOGARD 90-SP028				
CONSTRUCTION:	This is a glass laminate, no exposed plastic (polycarbonate, PET, etc.). Exact Construction is Proprietary.				
PERFORMANCE TESTING:	ASTM F1233-21 Class 2.3	3 Contraband, Class 3.3 B	ody		
	NIJ 0108.01 Level IIIA 5 shots 44 Magnum SWCGC + 5 shots 9mm FMJ Protection				
THICKNESS:	2.52"				
THICKNESS TOLERANCE:	2.36-2.74"				
WEIGHT:	20.0 lbs./ft2				
MINIMUM SIZE:	12x12"				
MAXIMUM SIZE:	60x96"				
OPTIONS:		irror, bird friendly, insula	ting glass units (IGU), sv	g) glass, low-e glass, reflective glass vitchable smart glass, tinted and ness.	
TECHNICAL DATA:	Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database	
	N/A	N/A	N/A	info available at the time	
APPLICABLE STANDARDS:	ASTM C1036 ASTM C1349 ANSI Z97.1/CPSC 16 CFR 1201 (Cat I & II Impact) NFPA 80				
	NFPA 80				
SINGLE RESPONSIBILITY:		•	• .	vered by our Single Responsibility™ ases of manufacturing.	
SINGLE RESPONSIBILITY: INSTALLATION:	Isoclima Specialty Glass, Program that ensures or All glass should be instal	ne firm has handled and i led in accordance with the erica (GANA) Glazing and	s accountable for all phone guidelines set forth in Sealant Manuals. Glaz	ases of manufacturing. In the current edition of the Glassing systems should incorporate a	
	Isoclima Specialty Glass, Program that ensures or All glass should be instal Association of North Am	ne firm has handled and in led in accordance with the ledical (GANA) Glazing and oisture and water to esca	s accountable for all phone guidelines set forth in Sealant Manuals. Glaz	ases of manufacturing. In the current edition of the Glassing systems should incorporate a	
	Isoclima Specialty Glass, Program that ensures or All glass should be instal Association of North Am weep system to allow m Recommended Clearance	ne firm has handled and in led in accordance with the lerica (GANA) Glazing and oisture and water to escape:	s accountable for all phone guidelines set forth in Sealant Manuals. Glaz	ases of manufacturing. In the current edition of the Glassing systems should incorporate a	
	Isoclima Specialty Glass, Program that ensures or All glass should be instal Association of North Am weep system to allow m Recommended Clearance	ne firm has handled and in led in accordance with the lerica (GANA) Glazing and oisture and water to escape:	s accountable for all phone guidelines set forth in Sealant Manuals. Glaz	ases of manufacturing. In the current edition of the Glassing systems should incorporate a	

















PRODUCT NAME:	2 5/8" CLEAR INFERNOGARD® 90-SP311			
PRODUCT CODE:	INFERNOGARD 90-SP3	311		
CONSTRUCTION:	This is a glass laminate, no exposed plastic (polycarbonate, PET, etc.). Exact Construction is Proprietary.			
PERFORMANCE TESTING:	ASTM F1233-21 Class 2.3	3 Contraband, Class 3.3 B	ody	
	NIJ 0108.01 Level IIIA 5 s	hots 44 Magnum SWCG0	C + 5 shots 9mm FMJ Pro	otection
THICKNESS:	2.65"			
THICKNESS TOLERANCE:	2.48-2.83"			
WEIGHT:	25.1 lbs./ft2			
MINIMUM SIZE:	12x12"			
MAXIMUM SIZE:	60x96"			
OPTIONS:		irror, bird friendly, insula	ting glass units (IGU), sv	g) glass, low-e glass, reflective glass vitchable smart glass, tinted and ness.
TECHNICAL DATA:	Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database
	N/A	N/A	N/A	info available at the time
APPLICABLE STANDARDS:	ASTM C1036 NFPA 80	ASTM C1349	ANSI Z97.1/CPSC	16 CFR 1201 (Cat I & II Impact)
SINGLE RESPONSIBILITY:		•	• .	vered by our Single Responsibility™
	Program that ensures or	ne firm has handled and i	s accountable for all pha	ases of manufacturing.
INSTALLATION:	All glass should be instal	led in accordance with therica (GANA) Glazing and	ie guidelines set forth ir I Sealant Manuals. Glazi	the current edition of the Glass ng systems should incorporate a
INSTALLATION:	All glass should be instal Association of North Am weep system to allow m	led in accordance with the erica (GANA) Glazing and oisture and water to esca	ie guidelines set forth ir I Sealant Manuals. Glazi	the current edition of the Glass ng systems should incorporate a
INSTALLATION:	All glass should be instal Association of North Am weep system to allow m Recommended Clearanc	led in accordance with the erica (GANA) Glazing and oisture and water to esca	ie guidelines set forth ir I Sealant Manuals. Glazi	the current edition of the Glass ng systems should incorporate a
INSTALLATION:	All glass should be instal Association of North Am weep system to allow m	led in accordance with the erica (GANA) Glazing and oisture and water to esca	ie guidelines set forth ir I Sealant Manuals. Glazi	the current edition of the Glass ng systems should incorporate a

















Security Glazing					
PRODUCT NAME:	2 13/16" CLEAR INFER	RNOGARD® 90-SP412			
PRODUCT CODE:	INFERNOGARD 90-SP	412			
CONSTRUCTION:	This is a glass laminate, r	This is a glass laminate, no exposed plastic (polycarbonate, PET, etc.). Exact Construction is Proprietary.			
PERFORMANCE TESTING:	ASTM F1233-21 Class 2.3	3 Contraband, Class 3.3 B	ody		
	NIJ 0108.01 Level IIIA 5 s	hots 44 Magnum SWCG	C + 5 shots 9mm FMJ Pro	otection	
THICKNESS:	2.77"				
THICKNESS TOLERANCE:	2.61-2.99"				
WEIGHT:	26.8 lbs./ft2				
MINIMUM SIZE:	12x12"				
MAXIMUM SIZE:	60x96"				
OPTIONS:		irror, bird friendly, insula	ting glass units (IGU), sw	g) glass, low-e glass, reflective glass vitchable smart glass, tinted and ness.	
TECHNICAL DATA:	Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database	
	N/A	N/A	N/A	info available at the time	
	ASTM C1036	ASTM C1349	11101 707 1 /0000	16.050.1001.10.111	
APPLICABLE STANDARDS:	NFPA 80	ASTIVI C1349	ANSI 297.1/CPSC	16 CFR 1201 (Cat I & II Impact)	
APPLICABLE STANDARDS: SINGLE RESPONSIBILITY:	NFPA 80	LLC and Global Security	Glazing products are cov	vered by our Single Responsibility™	
SINGLE RESPONSIBILITY:	NFPA 80 Isoclima Specialty Glass, Program that ensures or All glass should be instal	LLC and Global Security ne firm has handled and i led in accordance with the erica (GANA) Glazing and	Glazing products are coves accountable for all phases accountable for all phases accountable for all phases accountable for all phases account and account acc	vered by our Single Responsibility™ ases of manufacturing. I the current edition of the Glass ng systems should incorporate a	
SINGLE RESPONSIBILITY:	NFPA 80 Isoclima Specialty Glass, Program that ensures or All glass should be instal Association of North Am	LLC and Global Security ne firm has handled and in led in accordance with the rica (GANA) Glazing and oisture and water to escape	Glazing products are coves accountable for all phases accountable for all phases accountable for all phases accountable for all phases account and account acc	vered by our Single Responsibility™ ases of manufacturing. I the current edition of the Glass ng systems should incorporate a	
SINGLE RESPONSIBILITY:	NFPA 80 Isoclima Specialty Glass, Program that ensures or All glass should be instal Association of North Am weep system to allow m	LLC and Global Security ne firm has handled and in led in accordance with the erica (GANA) Glazing and oisture and water to escue:	Glazing products are coves accountable for all phases accountable for all phases accountable for all phases accountable for all phases account and account acc	vered by our Single Responsibility™ ases of manufacturing. I the current edition of the Glass ng systems should incorporate a	
	NFPA 80 Isoclima Specialty Glass, Program that ensures or All glass should be instal Association of North Am weep system to allow m Recommended Clearance	LLC and Global Security ne firm has handled and in led in accordance with the erica (GANA) Glazing and oisture and water to escue:	Glazing products are coves accountable for all phases accountable for all phases accountable for all phases accountable for all phases account and account acc	vered by our Single Responsibility™ ases of manufacturing. I the current edition of the Glass ng systems should incorporate a	

















PRODUCT NAME:	2 15/16" CLEAR INFERNOGARD® 90-SP513			
PRODUCT CODE:	INFERNOGARD 90-SP	513		
CONSTRUCTION:	This is a glass laminate, no exposed plastic (polycarbonate, PET, etc.). Exact Construction is Proprietary.			
PERFORMANCE TESTING:	ASTM F1233-21 Class 2.3	3 Contraband, Class 3.3 B	ody	
	NIJ 0108.01 Level IIIA 5 s	hots 44 Magnum SWCG0	C + 5 shots 9mm FMJ Pro	otection
THICKNESS:	2.95"			
THICKNESS TOLERANCE:	2.75-3.15"			
WEIGHT:	28.4 lbs./ft2			
MINIMUM SIZE:	12x12"			
MAXIMUM SIZE:	60x96"			
OPTIONS:		irror, bird friendly, insula	ting glass units (IGU), sv	g) glass, low-e glass, reflective glass vitchable smart glass, tinted and ness.
TECHNICAL DATA:	Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBN Window & Optics Software with the latest datab info available at the time
	N/A	N/A	N/A	
APPLICABLE STANDARDS:	ASTM C1036 NFPA 80	ASTM C1349	ANSI Z97.1/CPSC	16 CFR 1201 (Cat I & II Impact)
SINGLE RESPONSIBILITY:	Isoclima Specialty Glass, Program that ensures or	•	• .	vered by our Single Responsibility™ ases of manufacturing.
INSTALLATION:	_	erica (GANA) Glazing and	l Sealant Manuals. Glazi	n the current edition of the Glass ing systems should incorporate a
	Recommended Clearanc	e:		
	•	-		
	<u> </u>			

















occurry and any				
PRODUCT NAME:	2 1/16" CLEAR INFERNOGARD® 60-2114			
PRODUCT CODE:	INFERNOGARD 2114			
CONSTRUCTION:	This is a glass laminate, r	no exposed plastic (polyc	arbonate, PET, etc.). Ex	act Construction is Proprietary.
PERFORMANCE TESTING:	ASTM F1233-21 Class 2.3	3 Contraband, Class 3.3 B	ody	
	NIJ 0108.01 Level IIIA 5 s	hots 44 Magnum SWCG0	C + 5 shots 9mm FMJ Pr	otection
THICKNESS:	2.0625"			
THICKNESS TOLERANCE:	1.88-2.24"			
WEIGHT:	16.29 lbs./ft2			
MINIMUM SIZE:	12x12"			
MAXIMUM SIZE:	60x96"			
OPTIONS:	including transparent mi		ting glass units (IGU), s	g) glass, low-e glass, reflective glass witchable smart glass, tinted and ness.
TECHNICAL DATA:	Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database
	N/A	N/A	N/A	info available at the time
	ASTM C1036	ASTM C1349	· · · · · · · · · · · · · · · · · · ·	C 16 CFR 1201 (Cat I & II Impact)
APPLICABLE STANDARDS:	ASTM C1048	ASTM C1422	NFPA 50	. 10 CFR 1201 (Cat F& II III pact)
SINGLE RESPONSIBILITY:	The state of the s	LLC and Global Security (ne firm has handled and i	= :	vered by our Single Responsibility™ ases of manufacturing.
INSTALLATION:	Association of North Am		l Sealant Manuals. Glaz	n the current edition of the Glass ing systems should incorporate a
	Recommended Clearanc	e:		
	Face: 1/8" per side			
	·			
	Edge: 3/8"			















Specialty Glass, LLC PRODUCT SPECIFICATIONS



Security Glazing					
PRODUCT NAME:	1 31/32" CLEAR INFER	RNOGARD® 60-2115			
PRODUCT CODE:	INFERNOGARD 60-21	15			
CONSTRUCTION:	This is a glass laminate, i	This is a glass laminate, no exposed plastic (polycarbonate, PET, etc.). Exact Construction is Proprietary.			
PERFORMANCE TESTING:	ASTM F1233-21 Class 2.3	3 Contraband, Class 3.3 E	Body		
	NIJ 0108.01 Level IIIA 5 s	shots 44 Magnum SWCG	C + 5 shots 9mm FMJ Pro	otection	
THICKNESS:	1.96"				
THICKNESS TOLERANCE:	1.79-2.13"				
WEIGHT:	15.59 lbs./ft2				
MINIMUM SIZE:	12x12"				
MAXIMUM SIZE:	60x96"				
OPTIONS:		irror, bird friendly, insula	ting glass units (IGU), sv	g) glass, low-e glass, reflective glass vitchable smart glass, tinted and ness.	
TECHNICAL DATA:	Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database	
	N/A	N/A	N/A	info available at the time	
APPLICABLE STANDARDS:	ASTM C1036	ASTM C1349	ANSI Z97.1/CPSC	: 16 CFR 1201 (Cat I & II Impact)	
	ASTM C1048	ASTM C1422	NFPA 80		
SINGLE RESPONSIBILITY:	Isoclima Specialty Glass, Program that ensures or			vered by our Single Responsibility™ ases of manufacturing.	
INSTALLATION:	Association of North Am weep system to allow m	erica (GANA) Glazing and oisture and water to esc	d Sealant Manuals. Glazi	n the current edition of the Glass ing systems should incorporate a	
	Recommended Clearance				
	[Table 1 /0!] man sid	۵			
	Face: 1/8" per side	C			
	Edge: 3/8" Bite: 1"	C			

















PRODUCT NAME:	1 15/16" CLEAR INFERNOGARD® 60-2116			
PRODUCT CODE:	INFERNOGARD 60-21	16		
CONSTRUCTION:	This is a glass laminate, no exposed plastic (polycarbonate, PET, etc.). Exact Construction is Proprietary.			
PERFORMANCE TESTING:	ASTM F1233-21 Class 2.3	3 Contraband, Class 3.3 B	ody	
	NIJ 0108.01 Level IIIA 5 s	shots 44 Magnum SWCG	C + 5 shots 9mm FMJ Pr	otection
THICKNESS:	1.90"			
THICKNESS TOLERANCE:	1.77-2.10"			
WEIGHT:	15.5 lbs./ft2			
MINIMUM SIZE:	12x12"			
MAXIMUM SIZE:	60x96"			
OPTIONS:	including transparent m		ting glass units (IGU), sv	g) glass, low-e glass, reflective glass witchable smart glass, tinted and ness.
TECHNICAL DATA:	Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database
	N/A	N/A	N/A	info available at the time
APPLICABLE STANDARDS:	ASTM C1036 ASTM C1048	ASTM C1349 ASTM C1422	·	C 16 CFR 1201 (Cat I & II Impact)
SINGLE RESPONSIBILITY:	· ·	LLC and Global Security ne firm has handled and i	• .	vered by our Single Responsibility™ ases of manufacturing.
INSTALLATION:	Association of North Am	erica (GANA) Glazing and oisture and water to esc	l Sealant Manuals. Glaz	n the current edition of the Glass ing systems should incorporate a
	Bite: 1"			

















ily diaming					
PRODUCT NAME:	1 3/4" CLEAR INFERNOGARD® 60-2117				
PRODUCT CODE:	INFERNOGARD 60-21	17			
CONSTRUCTION:	This is a glass laminate, r	This is a glass laminate, no exposed plastic (polycarbonate, PET, etc.). Exact Construction is Proprietary.			
PERFORMANCE TESTING:	ASTM F1233-21 Class 2.3	3 Contraband, Class 3.3 B	ody		
	NIJ 0108.01 Level IIIA 5 s	hots 44 Magnum SWCG0	C + 5 shots 9mm FMJ Pr	otection	
THICKNESS:	1.75"				
THICKNESS TOLERANCE:	1.63-1.93"				
WEIGHT:	14.5 lbs./ft2				
MINIMUM SIZE:	12x12"				
MAXIMUM SIZE:	60x96"				
OPTIONS:	including transparent mi		ting glass units (IGU), s	g) glass, low-e glass, reflective glass witchable smart glass, tinted and ness.	
TECHNICAL DATA:	Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database	
	N/A	N/A	N/A	info available at the time	
APPLICABLE STANDARDS:	ASTM C1036	ASTM C1349	ANSI Z97.1/CPS0	C 16 CFR 1201 (Cat I & II Impact)	
ATTECABLE STANDARDS.	ASTM C1048	ASTM C1422	NFPA 80		
SINGLE RESPONSIBILITY:	The state of the s	LLC and Global Security on the firm has handled and i	= :	vered by our Single Responsibility™ ases of manufacturing.	
INSTALLATION:	Association of North Am		l Sealant Manuals. Glaz	n the current edition of the Glass ing systems should incorporate a	
	Recommended Clearanc	e:			
	Face: 1/8" per side				
	·				
	Edge: 3/8"				

















PRODUCT NAME:	1 11/16" CLEAR INFER	RNOGARD® 60-2119			
PRODUCT CODE:	INFERNOGARD 60-21	19			
CONSTRUCTION:	This is a glass laminate, r	This is a glass laminate, no exposed plastic (polycarbonate, PET, etc.). Exact Construction is Proprietary.			
PERFORMANCE TESTING:	ASTM F1233-21 Class 2.3	3 Contraband, Class 3.3 B	ody		
	NIJ 0108.01 Level IIIA 5 s	NIJ 0108.01 Level IIIA 5 shots 44 Magnum SWCGC + 5 shots 9mm FMJ Protection			
THICKNESS:	1.64"				
THICKNESS TOLERANCE:	1.53-1.81"				
WEIGHT:	13.9 lbs./ft2				
MINIMUM SIZE:	12x12"				
MAXIMUM SIZE:	60x96"				
OPTIONS:		irror, bird friendly, insula	ting glass units (IGU), sv	g) glass, low-e glass, reflective glass witchable smart glass, tinted and ness.	
TECHNICAL DATA:	Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database	
	N/A	N/A	N/A	info available at the time	
APPLICABLE STANDARDS:	ASTM C1036	ASTM C1349	ANSI Z97.1/CPSC	C 16 CFR 1201 (Cat I & II Impact)	
	ASTM C1048	ASTM C1422	NFPA 80		
SINGLE RESPONSIBILITY:	Isoclima Specialty Glass, Program that ensures or			vered by our Single Responsibility™ ases of manufacturing.	
INSTALLATION:	_	erica (GANA) Glazing and	l Sealant Manuals. Glaz	n the current edition of the Glass ing systems should incorporate a	
	Recommended Clearanc	e:			
	Face. 1/x per sind	ρ			
	Face: 1/8" per side Edge: 3/8"	е			

















PRODUCT NAME:	3 9/16" CLEAR INFERNOGARD® 60-DBP08				
PRODUCT CODE:	INFERNOGARD 60-DB	P08			
CONSTRUCTION:	This is a glass laminate, r	This is a glass laminate, no exposed plastic (polycarbonate, PET, etc.). Exact Construction is Proprietary.			
PERFORMANCE TESTING:	ASTM F1233-21 Class 2.3	3 Contraband, Class 3.3 B	ody		
	NIJ 0108.01 Level IIIA 5 s	NIJ 0108.01 Level IIIA 5 shots 44 Magnum SWCGC + 5 shots 9mm FMJ Protection			
THICKNESS:	3.52"				
THICKNESS TOLERANCE:	3.33-3.87"				
WEIGHT:	36.2 lbs./ft2				
MINIMUM SIZE:	12x12"				
MAXIMUM SIZE:	60x96"				
OPTIONS:		irror, bird friendly, insula	ting glass units (IGU), sv	g) glass, low-e glass, reflective glass vitchable smart glass, tinted and ness.	
TECHNICAL DATA:	Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database	
	N/A	N/A	N/A	info available at the time	
APPLICABLE STANDARDS:	ASTM C1036 ASTM C1048	ASTM C1349 NFPA 80	ANSI Z97.1/CPSC	16 CFR 1201 (Cat I & II Impact)	
SINGLE RESPONSIBILITY:	Isoclima Specialty Glass, Program that ensures or	•	• .	vered by our Single Responsibility™ ases of manufacturing.	
INSTALLATION:	_	erica (GANA) Glazing and	l Sealant Manuals. Glazi	the current edition of the Glass ng systems should incorporate a	
INSTALLATION:	Association of North Am weep system to allow m	erica (GANA) Glazing and oisture and water to esca	l Sealant Manuals. Glazi	ng systems should incorporate a	
INSTALLATION:	Association of North Am weep system to allow m	erica (GANA) Glazing and oisture and water to escand water to escand escand	l Sealant Manuals. Glazi	ng systems should incorporate a	
INSTALLATION:	Association of North Am weep system to allow m	erica (GANA) Glazing and oisture and water to escand water to escand escand	l Sealant Manuals. Glazi	ng systems should incorporate a	

















ily diaming				
PRODUCT NAME:	1 3/4" CLEAR INFERNOGARD® 60-PSYCH 2118			
PRODUCT CODE:	INFERNOGARD 60-PS	YCH 2118		
CONSTRUCTION:	This is a glass laminate, no exposed plastic (polycarbonate, PET, etc.). Exact Construction is Proprietary.			
PERFORMANCE TESTING:	ASTM F1233-21 Class 2.3	3 Contraband, Class 3.3 B	ody	
	NIJ 0108.01 Level IIIA 5 s	hots 44 Magnum SWCG0	C + 5 shots 9mm FMJ Pr	otection
THICKNESS:	1.73"			
THICKNESS TOLERANCE:	1.59-1.88"			
WEIGHT:	14.2 lbs./ft2			
MINIMUM SIZE:	12x12"			
MAXIMUM SIZE:	60x96"			
OPTIONS:	including transparent mi		ting glass units (IGU), sv	g) glass, low-e glass, reflective glass witchable smart glass, tinted and ness.
TECHNICAL DATA:	Visible Light	Solar Heat Gain	U-Value	*Transmittance values are calculated using LBNL
	Transmission (VLT)	Coefficient (SHGC)	(BTU/hr*ft² * °F)	Window & Optics Software with the latest database info available at the time
	N/A	N/A	N/A	
APPLICABLE STANDARDS:	ASTM C1036 ASTM C1048	ASTM C1349 ASTM C1422	ANSI Z97.1/CPSC	C 16 CFR 1201 (Cat I & II Impact)
			NFPA 80	
SINGLE RESPONSIBILITY:		LLC and Global Security (ne firm has handled and i		vered by our Single Responsibility™ ases of manufacturing.
INSTALLATION:	Association of North Am		l Sealant Manuals. Glaz	n the current edition of the Glass ing systems should incorporate a
	Recommended Clearanc	e:		
	Face: 1/8" per side			
	Edge: 3/8"	•		

















PRODUCT NAME:	1 15/16" CLEAR INFERNOGARD® 60-SP019				
PRODUCT CODE:	INFERNOGARD 60-SP	019			
CONSTRUCTION:	This is a glass laminate, no exposed plastic (polycarbonate, PET, etc.). Exact Construction is Proprietary.				
PERFORMANCE TESTING:	ASTM F1233-21 Class 2.3	3 Contraband, Class 3.3 B	ody		
	NIJ 0108.01 Level IIIA 5 s	NIJ 0108.01 Level IIIA 5 shots 44 Magnum SWCGC + 5 shots 9mm FMJ Protection			
THICKNESS:	1.89"				
THICKNESS TOLERANCE:	1.75-2.08"				
WEIGHT:	15.4 lbs./ft2				
MINIMUM SIZE:	12x12"				
MAXIMUM SIZE:	60x96"				
OPTIONS:	including transparent m		ting glass units (IGU), sv	g) glass, low-e glass, reflective glass vitchable smart glass, tinted and ness.	
TECHNICAL DATA:	Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database	
	N/A	N/A	N/A	info available at the time	
APPLICABLE STANDARDS:	ASTM C1036	ASTM C1349	ANSI Z97.1/CPSC	: 16 CFR 1201 (Cat I & II Impact)	
	ASTM C1048	ASTM C1422	NFPA 80		
SINGLE RESPONSIBILITY:	· ·	LLC and Global Security ne firm has handled and i	• .	vered by our Single Responsibility™ ases of manufacturing.	
INSTALLATION:	Association of North Am		d Sealant Manuals. Glazi	n the current edition of the Glass ing systems should incorporate a	
	Recommended Clearance	e:			
	Face: 1/8" per sid	e			
	Edge: 3/8"				
	Bite: 1"				

















y anamy					
PRODUCT NAME:	2 3/16" CLEAR INFERNOGARD® 60-SP028				
PRODUCT CODE:	INFERNOGARD 60-SP	028			
CONSTRUCTION:	This is a glass laminate, r	This is a glass laminate, no exposed plastic (polycarbonate, PET, etc.). Exact Construction is Proprietary.			
PERFORMANCE TESTING:	ASTM F1233-21 Class 2.3	3 Contraband, Class 3.3 B	ody		
	NIJ 0108.01 Level IIIA 5 s	NIJ 0108.01 Level IIIA 5 shots 44 Magnum SWCGC + 5 shots 9mm FMJ Protection			
THICKNESS:	2.18"				
THICKNESS TOLERANCE:	1.99-2.37"				
WEIGHT:	17.0 lbs./ft2				
MINIMUM SIZE:	12x12"				
MAXIMUM SIZE:	60x96"				
OPTIONS:		irror, bird friendly, insula	ting glass units (IGU), sv	g) glass, low-e glass, reflective glass vitchable smart glass, tinted and ness.	
TECHNICAL DATA:	Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database	
	N/A	N/A	N/A	info available at the time	
APPLICABLE STANDARDS:	ASTM C1036	ASTM C1349	ANSI Z97.1/CPSC	16 CFR 1201 (Cat I & II Impact)	
	ASTM C1048	ASTM C1422	NFPA 80		
SINGLE RESPONSIBILITY:		LLC and Global Security	Glazing products are cov	vered by our Single Responsibility™ ases of manufacturing.	
	Isoclima Specialty Glass, Program that ensures or All glass should be instal	LLC and Global Security ne firm has handled and i led in accordance with the lerica (GANA) Glazing and	Glazing products are covers accountable for all phases accountable for all phases accountable for all phases accountable for all phases account and account for a contract the second for a contract for account for a contract for account for a contract for account for a contract for a contrac	ases of manufacturing. The current edition of the Glass on systems should incorporate a	
SINGLE RESPONSIBILITY: INSTALLATION:	Isoclima Specialty Glass, Program that ensures or All glass should be instal Association of North Am	LLC and Global Security ne firm has handled and i led in accordance with therica (GANA) Glazing and oisture and water to esc	Glazing products are covers accountable for all phases accountable for all phases accountable for all phases accountable for all phases account and account for a contract the second for a contract for account for a contract for account for a contract for account for a contract for a contrac	ases of manufacturing. The current edition of the Glass of systems should incorporate a	
	Isoclima Specialty Glass, Program that ensures or All glass should be instal Association of North Am weep system to allow m Recommended Clearance	LLC and Global Security ne firm has handled and i led in accordance with therica (GANA) Glazing and oisture and water to esc	Glazing products are covers accountable for all phases accountable for all phases accountable for all phases accountable for all phases account and account for a contract of the countable for a contract account for a contract acc	ases of manufacturing. The current edition of the Glass of systems should incorporate a	
	Isoclima Specialty Glass, Program that ensures or All glass should be instal Association of North Am weep system to allow m Recommended Clearance	LLC and Global Security ne firm has handled and i led in accordance with therica (GANA) Glazing and oisture and water to esc	Glazing products are covers accountable for all phases accountable for all phases accountable for all phases accountable for all phases account and account for a contract of the countable for a contract account for a contract acc	ases of manufacturing. The current edition of the Glass on systems should incorporate a	

















PRODUCT NAME:	2 7/16" CLEAR INFERNOGARD® 60-SP035					
PRODUCT CODE:	INFERNOGARD 60-SP	035				
CONSTRUCTION:	This is a glass laminate, r	no exposed plastic (polyc	arbonate, PET, etc.). Exa	nct Construction is Proprietary.		
PERFORMANCE TESTING:	ASTM F1233-21 Class 2.3	STM F1233-21 Class 2.3 Contraband, Class 3.3 Body				
	NIJ 0108.01 Level IIIA 5 s	hots 44 Magnum SWCG0	C + 5 shots 9mm FMJ Pro	otection		
THICKNESS:	2.40"					
THICKNESS TOLERANCE:	2.23-2.63."					
WEIGHT:	20.5 lbs./ft2					
MINIMUM SIZE:	12x12"					
MAXIMUM SIZE:	60x96"	50x96"				
OPTIONS:		irror, bird friendly, insula	ting glass units (IGU), sw) glass, low-e glass, reflective glass vitchable smart glass, tinted and eess.		
TECHNICAL DATA:	Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database		
	N/A	N/A	N/A	info available at the time		
APPLICABLE STANDARDS:	ASTM C1036	ASTM C1349	ANSI Z97.1/CPSC	16 CFR 1201 (Cat I & II Impact)		
	ASTM C1048	ASTM C1422	NFPA 80			
SINGLE RESPONSIBILITY:	Isoclima Specialty Glass, Program that ensures or	· · · · · · · · · · · · · · · · · · ·	• .	rered by our Single Responsibility™ ases of manufacturing.		
INSTALLATION:	_	erica (GANA) Glazing and	l Sealant Manuals. Glazi	the current edition of the Glass ng systems should incorporate a		
INSTALLATION:	Association of North Am weep system to allow m	erica (GANA) Glazing and oisture and water to esca	l Sealant Manuals. Glazi	ng systems should incorporate a		
INSTALLATION:	Association of North Am weep system to allow m	erica (GANA) Glazing and oisture and water to esca	l Sealant Manuals. Glazi	ng systems should incorporate a		
INSTALLATION:	Association of North Am weep system to allow m	erica (GANA) Glazing and oisture and water to esca	l Sealant Manuals. Glazi	ng systems should incorporate a		

















PRODUCT NAME:	2 1/16" CLEAR INFERNOGARD® 60-SP188				
PRODUCT CODE:	INFERNOGARD 60-SP	188			
CONSTRUCTION:	This is a glass laminate,	no exposed plastic (polyc	arbonate, PET, etc.). Ex	act Construction is Proprietary.	
PERFORMANCE TESTING:	ASTM F1233-21 Class 2.3	3 Contraband, Class 3.3 E	ody		
	NIJ 0108.01 Level IIIA 5 s	shots 44 Magnum SWCG	C + 5 shots 9mm FMJ Pro	otection	
THICKNESS:	2.06"				
THICKNESS TOLERANCE:	1.90-2.23"				
WEIGHT:	18.9 lbs./ft2				
MINIMUM SIZE:	12x12"				
MAXIMUM SIZE:	60x96"				
OPTIONS:	including transparent m		ting glass units (IGU), sv	g) glass, low-e glass, reflective glass witchable smart glass, tinted and ness.	
TECHNICAL DATA:	Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database	
	N/A	N/A	N/A	info available at the time	
APPLICABLE STANDARDS:	ASTM C1036 NFPA 80	ASTM C1349	ANSI Z97.1/CPSC	16 CFR 1201 (Cat I & II Impact)	
SINGLE RESPONSIBILITY:	•	LLC and Global Security ne firm has handled and	• .	vered by our Single Responsibility™ ases of manufacturing.	
INSTALLATION:	Association of North Am weep system to allow m	nerica (GANA) Glazing and oisture and water to esc	d Sealant Manuals. Glaz	n the current edition of the Glass ing systems should incorporate a	
	Face: 1/8" per sid	e			
	Edge: 3/8"				
	Bite: 1"				















Specialty Glass, LLC PRODUCT SPECIFICATIONS



RESOCIATION CONTRACTOR AND					
PRODUCT NAME:	2 5/32" CLEAR INFERNOGARD® 60-SP293				
PRODUCT CODE:	INFERNOGARD 60-SP	293			
CONSTRUCTION:	This is a glass laminate,	no exposed plastic (polyc	arbonate, PET, etc.). Exa	act Construction is Proprietary.	
PERFORMANCE TESTING:	ASTM F1233-21 Class 2.3	3 Contraband, Class 3.3 B	ody		
	NIJ 0108.01 Level IIIA 5 s	shots 44 Magnum SWCG	C + 5 shots 9mm FMJ Pro	otection	
THICKNESS:	2.13"				
THICKNESS TOLERANCE:	1.99-2.33"				
WEIGHT:	20.4 lbs./ft2				
MINIMUM SIZE:	12x12"				
MAXIMUM SIZE:	60x96"				
OPTIONS:	including transparent m		ting glass units (IGU), sv	g) glass, low-e glass, reflective glass vitchable smart glass, tinted and ness.	
TECHNICAL DATA:	Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database	
	N/A	N/A	N/A	info available at the time	
APPLICABLE STANDARDS:	ASTM C1036 NFPA 80	ASTM C1349	ANSI Z97.1/CPSC	16 CFR 1201 (Cat I & II Impact)	
SINGLE RESPONSIBILITY:		LLC and Global Security ne firm has handled and i		vered by our Single Responsibility™ ases of manufacturing.	
INSTALLATION:	Association of North Am	erica (GANA) Glazing and oisture and water to esc	d Sealant Manuals. Glazi	n the current edition of the Glass ing systems should incorporate a	
	Edge: 3/8"	C			
	Bite: 1"				
	Ditte.				















Specialty Glass, LLC PRODUCT SPECIFICATIONS



2 5/16" CLEAR INFERNOGARD® 60-SP311				
INFERNOGARD 60-SP	311			
This is a glass laminate, ı	no exposed plastic (polyc	arbonate, PET, etc.). Ex	act Construction is Proprietary.	
ASTM F1233-21 Class 2.3	3 Contraband, Class 3.3 B	ody		
NIJ 0108.01 Level IIIA 5 s	shots 44 Magnum SWCG0	C + 5 shots 9mm FMJ Pro	otection	
2.25"				
2.11-2.45				
22.1 lbs./ft2				
12x12"				
60x96"				
including transparent m	irror, bird friendly, insula	ting glass units (IGU), sv	vitchable smart glass, tinted and	
Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database	
N/A	N/A	N/A	info available at the time	
ASTM C1036 NFPA 80	ASTM C1349	ANSI Z97.1/CPSC	: 16 CFR 1201 (Cat I & II Impact)	
	· · · · · · · · · · · · · · · · · · ·	= :		
Association of North Am	erica (GANA) Glazing and	d Sealant Manuals. Glaz	ing systems should incorporate a	
Recommended Clearance	e:			
Face: 1/8" per side	e			
Face: 1/8" per side Edge: 3/8"	e			
	INFERNOGARD 60-SP. This is a glass laminate, in ASTM F1233-21 Class 2.3 NIJ 0108.01 Level IIIA 5 st 2.25" 2.11-2.45 22.1 lbs./ft2 12x12" 60x96" Tinted glass, low iron glatincluding transparent m translucent interlayers. In Visible Light Transmission (VLT) N/A ASTM C1036 NFPA 80 Isoclima Specialty Glass, Program that ensures or All glass should be install Association of North Amweep system to allow mellow	INFERNOGARD 60-SP311 This is a glass laminate, no exposed plastic (polycomes of plastic	INFERNOGARD 60-SP311 This is a glass laminate, no exposed plastic (polycarbonate, PET, etc.). Ext. ASTM F1233-21 Class 2.3 Contraband, Class 3.3 Body NIJ 0108.01 Level IIIA 5 shots 44 Magnum SWCGC + 5 shots 9mm FMJ Products 2.25" 2.11-2.45 22.1 lbs./ft2 12x12" 60x96" Tinted glass, low iron glass, printed (spandrel and pattern screen printing including transparent mirror, bird friendly, insulating glass units (IGU), systranslucent interlayers. Please note some options may increase OA thicked Visible Light Solar Heat Gain U-Value Transmission (VLT) Coefficient (SHGC) (BTU/hr*ft² * °F) N/A N/A N/A ASTM C1036 ASTM C1349 ANSI Z97.1/CPSC NFPA 80 Isoclima Specialty Glass, LLC and Global Security Glazing products are coeprogram that ensures one firm has handled and is accountable for all phenomenates. All glass should be installed in accordance with the guidelines set forth in Association of North America (GANA) Glazing and Sealant Manuals. Glaziweep system to allow moisture and water to escape the glazing channel.	

















2 7/16" CLEAR INFERNOGARD® 60-SP412				
INFERNOGARD 60-SP4	412			
This is a glass laminate, r	no exposed plastic (polyc	arbonate, PET, etc.). Exa	act Construction is Proprietary.	
ASTM F1233-21 Class 2.3	3 Contraband, Class 3.3 B	ody		
NIJ 0108.01 Level IIIA 5 s	hots 44 Magnum SWCG	C + 5 shots 9mm FMJ Pro	otection	
2.40"				
2.24-2.62"				
23.8 lbs./ft2				
12x12"				
60x96"				
including transparent mi	rror, bird friendly, insula	ting glass units (IGU), sw	vitchable smart glass, tinted and	
Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database	
N/A	N/A	N/A	info available at the time	
ASTM C1036 NFPA 80	ASTM C1349	ANSI Z97.1/CPSC	16 CFR 1201 (Cat I & II Impact)	
i i	•	• .	, , , ,	
Association of North Am	erica (GANA) Glazing and	l Sealant Manuals. Glazi	ng systems should incorporate a	
Recommended Clearance:				
	-			
	INFERNOGARD 60-SPA This is a glass laminate, r ASTM F1233-21 Class 2.3 NIJ 0108.01 Level IIIA 5 s 2.40" 2.24-2.62" 23.8 lbs./ft2 12x12" 60x96" Tinted glass, low iron glatincluding transparent mitranslucent interlayers. A Visible Light Transmission (VLT) N/A ASTM C1036 NFPA 80 Isoclima Specialty Glass, Program that ensures or All glass should be instal Association of North Am weep system to allow m Recommended Clearance	INFERNOGARD 60-SP412 This is a glass laminate, no exposed plastic (polycomoly	INFERNOGARD 60-SP412 This is a glass laminate, no exposed plastic (polycarbonate, PET, etc.). Example 1975 ASTM F1233-21 Class 2.3 Contraband, Class 3.3 Body NIJ 0108.01 Level IIIA 5 shots 44 Magnum SWCGC + 5 shots 9mm FMJ Proventure 2.40" 2.24-2.62" 23.8 lbs./ft2 12x12" 60x96" Tinted glass, low iron glass, printed (spandrel and pattern screen printing including transparent mirror, bird friendly, insulating glass units (IGU), sw translucent interlayers. Please note some options may increase OA thicknown increase OA	

















cooming analing					
PRODUCT NAME:	2 9/16" CLEAR INFERNOGARD® 60-SP513				
PRODUCT CODE:	INFERNOGARD 60-SP	513			
CONSTRUCTION:	This is a glass laminate, r	no exposed plastic (polyc	arbonate, PET, etc.). Ex	act Construction is Proprietary.	
PERFORMANCE TESTING:	ASTM F1233-21 Class 2.3	3 Contraband, Class 3.3 B	ody		
	NIJ 0108.01 Level IIIA 5 s	hots 44 Magnum SWCG0	C + 5 shots 9mm FMJ Pr	otection	
THICKNESS:	2.58"				
THICKNESS TOLERANCE:	2.38-2.78"				
WEIGHT:	25.4 lbs./ft2				
MINIMUM SIZE:	12x12"				
MAXIMUM SIZE:	60x96"				
OPTIONS:		rror, bird friendly, insula	ting glass units (IGU), s	g) glass, low-e glass, reflective glass witchable smart glass, tinted and ness.	
TECHNICAL DATA:	Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database	
	N/A	N/A	N/A	info available at the time	
APPLICABLE STANDARDS:	ASTM C1036 NFPA 80	ASTM C1349	ANSI Z97.1/CPS0	C 16 CFR 1201 (Cat I & II Impact)	
SINGLE RESPONSIBILITY:	Isoclima Specialty Glass, Program that ensures or	=	= -	vered by our Single Responsibility™ ases of manufacturing.	
INSTALLATION:	Association of North Am weep system to allow m	erica (GANA) Glazing and oisture and water to esca	l Sealant Manuals. Glaz	n the current edition of the Glass ing systems should incorporate a	
	Recommended Clearanc				
	Face: 1/8" per side	e			
	Edge: 3/8"				
	Bite: 1"				















Specialty Glass, LLC PRODUCT SPECIFICATIONS



N/A N/A N/A N/A N/A N/A N/A Info ovoilable at the time APPLICABLE STANDARDS: ASTM C1036 ASTM C1349 ANSI Z97.1/CPSC 16 CFR 1201 (Cat I & II Impact) ASTM C1048 ASTM C1422 NFPA 80 SINGLE RESPONSIBILITY: Isoclima Specialty Glass, LLC and Global Security Glazing products are covered by our Single Responsibility™ Program that ensures one firm has handled and is accountable for all phases of manufacturing. INSTALLATION: All glass should be installed in accordance with the guidelines set forth in the current edition of the Glass Association of North America (GANA) Glazing and Sealant Manuals. Glazing systems should incorporate a weep system to allow moisture and water to escape the glazing channel. Recommended Clearance: Face: 1/8" per side	Security Glazing						
CONSTRUCTION: This is a glass laminate, no exposed plastic (polycarbonate, PET, etc.). Exact Construction is Proprietary. PERFORMANCE TESTING: ASTM F1233-21 Class 2.3 Contraband, Class 3.3 Body NIJ 0108.01 Level IIIA 5 shots 44 Magnum SWCGC + 5 shots 9mm FMJ Protection THICKNESS: 1.68" THICKNESS: 1.51-1.87" WEIGHT: 15.30 lbs./ft2 MINIMUM SIZE: 60x96" OPTIONS: Tinted glass, low iron glass, printed (spandrel and pattern screen printing) glass, low-e glass, reflective glass including transparent mirror, bird friendly, insulating glass units (IGU), switchable smart glass, tinted and translucent interlayers. Please note some options may increase OA thickness. TECHNICAL DATA: Visible Light Transmission (VLT) N/A N/A N/A N/A N/A N/A APPLICABLE STANDARDS: ASTM C1036 ASTM C1036 ASTM C1349 ANSI Z97.1/CPSC 16 CFR 1201 (Cat I & II Impact) ASTM C1048 ASTM C1048 ASTM C1422 NFPA 80 SINGLE RESPONSIBILITY: Isoclima Specialty Glass, LLC and Global Security Glazing products are covered by our Single Responsibility™ Program that ensures one firm has handled and is accountable for all phases of manufacturing. INSTALLATION: All glass should be installed in accordance with the guidelines set forth in the current edition of the Glass Association of North America (GANA) Glazing and Sealant Manuals. Glazing systems should incorporate a weep system to allow moisture and water to escape the glazing channel. Recommended Clearance: Face: 1/8" per side	PRODUCT NAME:	1 11/16" CLEAR INFEI	RNOGARD® 45-2114				
PERFORMANCE TESTING: ASTM F1233-21 Class 2.3 Contraband, Class 3.3 Body NII 0108.01 Level IIIA 5 shots 44 Magnum SWCGC + 5 shots 9mm FMJ Protection THICKNESS: 1.68" WEIGHT: 15.30 lbs./ft2 MINIMUM SIZE: 12x12" MAXIMUM SIZE: OPTIONS: Tinted glass, low iron glass, printed (spandrel and pattern screen printing) glass, low-e glass, reflective glass including transparent mirror, bird friendly, insulating glass units (IGU), switchable smart glass, tinted and translucent interlayers. Please note some options may increase OA thickness. TECHNICAL DATA: Visible Light Transmission (VLT) N/A N/A N/A N/A APPLICABLE STANDARDS: ASTM C1036 ASTM C1036 ASTM C1349 ASTM C1422 NFPA 80 SINGLE RESPONSIBILITY: Program that ensures one firm has handled and is accountable for all phases of manufacturing. INSTALLATION: All glass should be installed in accordance with the guidelines set forth in the current edition of the Glass Association of North America (GANA) Glazing and Sealant Manuals. Glazing systems should incorporate a weep system to allow moisture and water to escape the glazing channel.	PRODUCT CODE:	INFERNOGARD 45-2114					
THICKNESS: 1.68" THICKNESS TOLERANCE: 1.51-1.87" WEIGHT: 15.30 lbs./ft2 MINIMUM SIZE: 12x12" MAXIMUM SIZE: 60x96" OPTIONS: Tinted glass, low iron glass, printed (spandrel and pattern screen printing) glass, low-e glass, reflective glass including transparent mirror, bird friendly, insulating glass units (IGU), switchable smart glass, tinted and translucent interlayers. Please note some options may increase OA thickness. TECHNICAL DATA: Visible Light Transmission (VLT) Coefficient (SHGC) (BTU/hr*ft² + °F)	CONSTRUCTION:	This is a glass laminate,	no exposed plastic (polyc	arbonate, PET, etc.). Exa	act Construction is Proprietary.		
THICKNESS: 1.68" THICKNESS TOLERANCE: 1.51-1.87" WEIGHT: 15.30 lbs./ft2 MINIMUM SIZE: 12x12" MAXIMUM SIZE: 60x96" OPTIONS: Tinted glass, low iron glass, printed (spandrel and pattern screen printing) glass, low-e glass, reflective glass including transparent mirror, bird friendly, insulating glass units (IGU), switchable smart glass, tinted and translucent interlayers. Please note some options may increase OA thickness. TECHNICAL DATA: Visible Light Transmission (VLT) Coefficient (SHGC) (BTU/hr*ft² * °F)	PERFORMANCE TESTING:	ASTM F1233-21 Class 2.3	ASTM F1233-21 Class 2.3 Contraband, Class 3.3 Body				
THICKNESS TOLERANCE: 1.51-1.87" WEIGHT: 15.30 lbs./ft2 MINIMUM SIZE: 12x12" MAXIMUM SIZE: 60x96" OPTIONS: Tinted glass, low iron glass, printed (spandrel and pattern screen printing) glass, low-e glass, reflective glass including transparent mirror, bird friendly, insulating glass units (IGU), switchable smart glass, tinted and translucent interlayers. Please note some options may increase OA thickness. TECHNICAL DATA: Visible Light Transmission (VLT) Coefficient (SHGC) (BTU/hr*ft² * °F) window & Optics Software with the latest database info avoilable at the time N/A N/A N/A N/A N/A N/A N/A N/A N/A STM C1036 ASTM C1349 ANSI Z97.1/CPSC 16 CFR 1201 (Cat I & II Impact) ASTM C1048 ASTM C1422 NFPA 80 SINGLE RESPONSIBILITY: Isoclima Specialty Glass, LLC and Global Security Glazing products are covered by our Single Responsibility™ Program that ensures one firm has handled and is accountable for all phases of manufacturing. INSTALLATION: All glass should be installed in accordance with the guidelines set forth in the current edition of the Glass Association of North America (GANA) Glazing and Sealant Manuals. Glazing systems should incorporate a weep system to allow moisture and water to escape the glazing channel. Recommended Clearance: Face: 1/8" per side		NIJ 0108.01 Level IIIA 5	shots 44 Magnum SWCG0	C + 5 shots 9mm FMJ Pro	otection		
WEIGHT: 15.30 lbs./ft2 MINIMUM SIZE: 12x12" MAXIMUM SIZE: 60x96" OPTIONS: Tinted glass, low iron glass, printed (spandrel and pattern screen printing) glass, low-e glass, reflective glass including transparent mirror, bird friendly, insulating glass units (IGU), switchable smart glass, tinted and translucent interlayers. Please note some options may increase OA thickness. TECHNICAL DATA: Visible Light Transmission (VLT) Coefficient (SHGC) (BTU/hr*ft² * °F) (BTU/hr*ft² * °F) window & Optics Software with the lotest database in provide at the time. APPLICABLE STANDARDS: ASTM C1036 ASTM C1349 ANSI Z97.1/CPSC 16 CFR 1201 (Cat I & II Impact) ASTM C1048 ASTM C1422 NFPA 80 SINGLE RESPONSIBILITY: Isoclima Specialty Glass, LLC and Global Security Glazing products are covered by our Single Responsibility™ Program that ensures one firm has handled and is accountable for all phases of manufacturing. INSTALLATION: All glass should be installed in accordance with the guidelines set forth in the current edition of the Glass Association of North America (GANA) Glazing and Sealant Manuals. Glazing systems should incorporate a weep system to allow moisture and water to escape the glazing channel. Recommended Clearance: Face: 1/8" per side	THICKNESS:	1.68"					
MINIMUM SIZE: 12×12" MAXIMUM SIZE: 60×96" OPTIONS: Tinted glass, low iron glass, printed (spandrel and pattern screen printing) glass, low-e glass, reflective glass including transparent mirror, bird friendly, insulating glass units (IGU), switchable smart glass, tinted and translucent interlayers. Please note some options may increase OA thickness. TECHNICAL DATA: Visible Light Solar Heat Gain U-Value Transmission (VLT) Coefficient (SHGC) (BTU/hr*ft² * °F) Window & Optics Softwore with the latest database info available at the time N/A	THICKNESS TOLERANCE:	1.51-1.87"					
MAXIMUM SIZE: 60x96" OPTIONS: Tinted glass, low iron glass, printed (spandrel and pattern screen printing) glass, low-e glass, reflective glass including transparent mirror, bird friendly, insulating glass units (IGU), switchable smart glass, tinted and translucent interlayers. Please note some options may increase OA thickness. TECHNICAL DATA: Visible Light Transmission (VLT) Coefficient (SHGC) (BTU/hr*ft² * °F) (BTU/h	WEIGHT:	15.30 lbs./ft2					
Tinted glass, low iron glass, printed (spandrel and pattern screen printing) glass, low-e glass, reflective glass including transparent mirror, bird friendly, insulating glass units (IGU), switchable smart glass, tinted and translucent interlayers. Please note some options may increase OA thickness. TECHNICAL DATA: Visible Light Transmission (VLT) Coefficient (SHGC) N/A N/A N/A N/A N/A N/A N/A N/A N/A APPLICABLE STANDARDS: ASTM C1036 ASTM C1349 ASTM C1422 NFPA 80 SINGLE RESPONSIBILITY: Isoclima Specialty Glass, LLC and Global Security Glazing products are covered by our Single Responsibility™ Program that ensures one firm has handled and is accountable for all phases of manufacturing. INSTALLATION: All glass should be installed in accordance with the guidelines set forth in the current edition of the Glass Association of North America (GANA) Glazing and Sealant Manuals. Glazing systems should incorporate a weep system to allow moisture and water to escape the glazing channel. Recommended Clearance: Face: 1/8" per side	MINIMUM SIZE:	12x12"					
including transparent mirror, bird friendly, insulating glass units (IGU), switchable smart glass, tinted and translucent interlayers. Please note some options may increase OA thickness. TECHNICAL DATA: Visible Light Transmission (VLT) Coefficient (SHGC) N/A N/A N/A N/A N/A N/A N/A APPLICABLE STANDARDS: ASTM C1036 ASTM C1036 ASTM C1349 ANSI Z97.1/CPSC 16 CFR 1201 (Cat I & II Impact) ASTM C1048 ASTM C1042 NFPA 80 SINGLE RESPONSIBILITY: Program that ensures one firm has handled and is accountable for all phases of manufacturing. INSTALLATION: All glass should be installed in accordance with the guidelines set forth in the current edition of the Glass Association of North America (GANA) Glazing and Sealant Manuals. Glazing systems should incorporate a weep system to allow moisture and water to escape the glazing channel. Recommended Clearance: Face: 1/8" per side	MAXIMUM SIZE:	60x96"					
Transmission (VLT) Coefficient (SHGC) (BTU/hr*ft² * °F) Window & Optics Software with the latest database info available at the time N/A N/A N/A N/A APPLICABLE STANDARDS: ASTM C1036 ASTM C1349 ANSI Z97.1/CPSC 16 CFR 1201 (Cat I & II Impact) ASTM C1048 ASTM C1422 NFPA 80 SINGLE RESPONSIBILITY: Isoclima Specialty Glass, LLC and Global Security Glazing products are covered by our Single Responsibility Program that ensures one firm has handled and is accountable for all phases of manufacturing. INSTALLATION: All glass should be installed in accordance with the guidelines set forth in the current edition of the Glass Association of North America (GANA) Glazing and Sealant Manuals. Glazing systems should incorporate a weep system to allow moisture and water to escape the glazing channel. Recommended Clearance: Face: 1/8" per side	OPTIONS:	including transparent m	irror, bird friendly, insula	ting glass units (IGU), sw	vitchable smart glass, tinted and		
APPLICABLE STANDARDS: ASTM C1036 ASTM C1048 ASTM C1422 NFPA 80 SINGLE RESPONSIBILITY: Isoclima Specialty Glass, LLC and Global Security Glazing products are covered by our Single Responsibility™ Program that ensures one firm has handled and is accountable for all phases of manufacturing. INSTALLATION: All glass should be installed in accordance with the guidelines set forth in the current edition of the Glass Association of North America (GANA) Glazing and Sealant Manuals. Glazing systems should incorporate a weep system to allow moisture and water to escape the glazing channel. Recommended Clearance: Face: 1/8" per side	TECHNICAL DATA:	Transmission (VLT)	Coefficient (SHGC)	(BTU/hr*ft² * °F)	Window & Optics Software with the latest database		
ASTM C1048 ASTM C1422 NFPA 80 SINGLE RESPONSIBILITY: INSTALLATION: All glass should be installed in accordance with the guidelines set forth in the current edition of the Glass Association of North America (GANA) Glazing and Sealant Manuals. Glazing systems should incorporate a weep system to allow moisture and water to escape the glazing channel. Recommended Clearance: Face: 1/8" per side			·	•			
Program that ensures one firm has handled and is accountable for all phases of manufacturing. All glass should be installed in accordance with the guidelines set forth in the current edition of the Glass Association of North America (GANA) Glazing and Sealant Manuals. Glazing systems should incorporate a weep system to allow moisture and water to escape the glazing channel. Recommended Clearance: Face: 1/8" per side	APPLICABLE STANDARDS:			•	16 CFR 1201 (Cat I & II Impact)		
Association of North America (GANA) Glazing and Sealant Manuals. Glazing systems should incorporate a weep system to allow moisture and water to escape the glazing channel. Recommended Clearance: Face: 1/8" per side	SINGLE RESPONSIBILITY:						
Face: 1/8" per side	INSTALLATION:	Association of North Am weep system to allow m	erica (GANA) Glazing and oisture and water to esca	l Sealant Manuals. Glazi	ng systems should incorporate a		
ILUEC. JIO		Edge: 3/8"	-				
Bite: 1"		_					

















PRODUCT NAME:	1-5/8" CLEAR INFERNOGARD® 45-2115					
PRODUCT CODE:	INFERNOGARD 45-2115					
CONSTRUCTION:	This is a glass laminate, I	no exposed plastic (polyc	arbonate, PET, etc.). Ex	act Construction is Proprietary.		
PERFORMANCE TESTING:	ASTM F1233-21 Class 2.3	STM F1233-21 Class 2.3 Contraband, Class 3.3 Body				
	NIJ 0108.01 Level IIIA 5 s	shots 44 Magnum SWCG0	C + 5 shots 9mm FMJ Pro	otection		
THICKNESS:	1.59"					
THICKNESS TOLERANCE:	1.42-1.75"					
WEIGHT:	14.59 lbs./ft2					
MINIMUM SIZE:	12x12"					
MAXIMUM SIZE:	60x96"	60x96"				
OPTIONS:	Tinted glass, low iron glass, printed (spandrel and pattern screen printing) glass, low-e glass, reflective glass including transparent mirror, bird friendly, insulating glass units (IGU), switchable smart glass, tinted and translucent interlayers. <i>Please note some options may increase OA thickness</i> .					
TECHNICAL DATA:	Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database		
	N/A	N/A	N/A	info available at the time		
APPLICABLE STANDARDS:	ASTM C1036	ASTM C1349	ANSI Z97.1/CPSC	2 16 CFR 1201 (Cat I & II Impact)		
	ASTM C1048	ASTM C1422	NFPA 80			
SINGLE RESPONSIBILITY:	The state of the s	LLC and Global Security ne firm has handled and i		vered by our Single Responsibility™ ases of manufacturing.		
INSTALLATION:	Association of North Am		l Sealant Manuals. Glaz	n the current edition of the Glass ing systems should incorporate a		
	Recommended Clearance	e:				
	Face: 1/8" per side					
	•					
	Edge: 3/8"					

















Security Glazing						
PRODUCT NAME:	1 9/16" CLEAR INFERNOGARD® 45-2116					
PRODUCT CODE:	INFERNOGARD 45-21	16				
CONSTRUCTION:	This is a glass laminate, i	no exposed plastic (polyc	arbonate, PET, etc.). Ex	act Construction is Proprietary.		
PERFORMANCE TESTING:	ASTM F1233-21 Class 2.3	ASTM F1233-21 Class 2.3 Contraband, Class 3.3 Body				
	NIJ 0108.01 Level IIIA 5 s	hots 44 Magnum SWCG0	C + 5 shots 9mm FMJ Pro	otection		
THICKNESS:	1.53"					
THICKNESS TOLERANCE:	1.39-1.72"					
WEIGHT:	14.5 lbs./ft2					
MINIMUM SIZE:	12x12"					
MAXIMUM SIZE:	60x96"					
OPTIONS:		irror, bird friendly, insula	ting glass units (IGU), sv	g) glass, low-e glass, reflective glass vitchable smart glass, tinted and ness.		
TECHNICAL DATA:	Visible Light	Solar Heat Gain	U-Value	*Transmittance values are calculated using LBNL		
	Transmission (VLT)	Coefficient (SHGC)	$(BTU/hr*ft^2 * °F)$	Window & Optics Software with the latest database		
	N/A	N/A	N/A	info available at the time		
APPLICABLE STANDARDS:	ASTM C1036	ASTM C1349	ANSI Z97.1/CPSC	16 CFR 1201 (Cat I & II Impact)		
	ASTM C1048	ASTM C1422	NFPA 80			
SINGLE RESPONSIBILITY:	The state of the s	LLC and Global Security on the firm has handled and i	= :	vered by our Single Responsibility™ ases of manufacturing.		
INSTALLATION:	Association of North Am		l Sealant Manuals. Glazi	n the current edition of the Glass ing systems should incorporate a		
	Recommended Clearance:					
	Face: 1/8" per side	e				
	Edge: 3/8"					
	Bite: 1"					

















occurry analysis						
PRODUCT NAME:	1 3/8" CLEAR INFERNOGARD® 45-2117					
PRODUCT CODE:	INFERNOGARD 45-2117					
CONSTRUCTION:	This is a glass laminate, r	no exposed plastic (polyc	arbonate, PET, etc.). Ex	act Construction is Proprietary.		
PERFORMANCE TESTING:	ASTM F1233-21 Class 2.3	STM F1233-21 Class 2.3 Contraband, Class 3.3 Body				
	NIJ 0108.01 Level IIIA 5 s	hots 44 Magnum SWCG0	: + 5 shots 9mm FMJ Pr	otection		
THICKNESS:	1.40"					
THICKNESS TOLERANCE:	1.25-1.55					
WEIGHT:	13.5 lbs./ft2					
MINIMUM SIZE:	12x12"					
MAXIMUM SIZE:	60x96"					
OPTIONS:		rror, bird friendly, insula	ting glass units (IGU), sv	g) glass, low-e glass, reflective glass witchable smart glass, tinted and ness.		
TECHNICAL DATA:	Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database		
	N/A	N/A	N/A	info available at the time		
APPLICABLE STANDARDS:	ASTM C1036	ASTM C1349	ANSI Z97.1/CPS0	C 16 CFR 1201 (Cat I & II Impact)		
	ASTM C1048	ASTM C1422	NFPA 80			
SINGLE RESPONSIBILITY:	Isoclima Specialty Glass, Program that ensures or			vered by our Single Responsibility™ ases of manufacturing.		
INSTALLATION:	_	erica (GANA) Glazing and	Sealant Manuals. Glaz	n the current edition of the Glass ing systems should incorporate a		
	Recommended Clearanc	e:				
	Face: 1/8" per side	e				
	Edge: 3/8"					
	Bite: 1"					

















occurry analysis						
PRODUCT NAME:	1 5/16" CLEAR INFERNOGARD® 45-2119					
PRODUCT CODE:	INFERNOGARD 45-2119					
CONSTRUCTION:	This is a glass laminate, I	no exposed plastic (polyc	arbonate, PET, etc.). Ex	act Construction is Proprietary.		
PERFORMANCE TESTING:	ASTM F1233-21 Class 2.3	STM F1233-21 Class 2.3 Contraband, Class 3.3 Body				
	NIJ 0108.01 Level IIIA 5 s	hots 44 Magnum SWCG0	C + 5 shots 9mm FMJ Pr	otection		
THICKNESS:	1.3125"					
THICKNESS TOLERANCE:	1.16-1.44"					
WEIGHT:	12.9 lbs.ft2					
MINIMUM SIZE:	12x12"					
MAXIMUM SIZE:	60x96"					
OPTIONS:	Tinted glass, low iron glass, printed (spandrel and pattern screen printing) glass, low-e glass, reflective glass including transparent mirror, bird friendly, insulating glass units (IGU), switchable smart glass, tinted and translucent interlayers. <i>Please note some options may increase OA thickness</i> .					
TECHNICAL DATA:	Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database		
	N/A	N/A	N/A	info available at the time		
APPLICABLE STANDARDS:	ASTM C1036	ASTM C1349	ANSI Z97.1/CPSC	16 CFR 1201 (Cat I & II Impact)		
	ASTM C1048	ASTM C1422	NFPA 80			
SINGLE RESPONSIBILITY:	Isoclima Specialty Glass, Program that ensures or			vered by our Single Responsibility™ ases of manufacturing.		
INSTALLATION:	_	erica (GANA) Glazing and	l Sealant Manuals. Glaz	n the current edition of the Glass ing systems should incorporate a		
	Recommended Clearance	e:				
	Face: 1/8" per side					
	Edge: 3/8"	G				

















PRODUCT NAME:	3 7/32" CLEAR INFERNOGARD® 45-DBP08					
PRODUCT CODE:	INFERNOGARD 45-DB	INFERNOGARD 45-DBP08				
CONSTRUCTION:	This is a glass laminate,	no exposed plastic (polyc	arbonate, PET, etc.). Ex	act Construction is Proprietary.		
PERFORMANCE TESTING:	ASTM F1233-21 Class 2.3	STM F1233-21 Class 2.3 Contraband, Class 3.3 Body				
	NIJ 0108.01 Level IIIA 5 s	shots 44 Magnum SWCG	C + 5 shots 9mm FMJ Pro	otection		
THICKNESS:	3.22"					
THICKNESS TOLERANCE:	2.96-3.50"					
WEIGHT:	35.2 lbs./ft2					
MINIMUM SIZE:	12x12"					
MAXIMUM SIZE:	60x96"	60x96"				
OPTIONS:	including transparent m		ting glass units (IGU), sv	g) glass, low-e glass, reflective glass vitchable smart glass, tinted and ness.		
TECHNICAL DATA:	Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database		
	N/A	N/A	N/A	info available at the time		
APPLICABLE STANDARDS:	ASTM C1036 ASTM C1048	ASTM C1349 NFPA 80	ANSI Z97.1/CPSC	16 CFR 1201 (Cat I & II Impact)		
SINGLE RESPONSIBILITY:		LLC and Global Security ne firm has handled and i	• •	vered by our Single Responsibility™ ases of manufacturing.		
INSTALLATION:	Association of North Am weep system to allow m	nerica (GANA) Glazing and noisture and water to esc	d Sealant Manuals. Glazi	n the current edition of the Glass ing systems should incorporate a		
	Recommended Clearance					
	Face: 1/8" per sid	e				
	Edge: 3/8"					
	Bite: 1"					















Specialty Glass, LLC PRODUCT SPECIFICATIONS



Security Glazing				
PRODUCT NAME:	1 3/8" CLEAR INFERN	OGARD® 45-PSYCH 21	18	
PRODUCT CODE:	INFERNOGARD 45-PS	YCH 2118		
CONSTRUCTION:	This is a glass laminate,	no exposed plastic (polyc	arbonate, PET, etc.). Exa	act Construction is Proprietary.
PERFORMANCE TESTING:	ASTM F1233-21 Class 2.3	3 Contraband, Class 3.3 E	Body	
	NIJ 0108.01 Level IIIA 5 s	shots 44 Magnum SWCG	C + 5 shots 9mm FMJ Pro	otection
THICKNESS:	1.36"			
THICKNESS TOLERANCE:	1.21-1.50"			
WEIGHT:	13.2 lbs./ft2			
MINIMUM SIZE:	12x12"			
MAXIMUM SIZE:	60x96"			
OPTIONS:		irror, bird friendly, insula	ting glass units (IGU), sv	g) glass, low-e glass, reflective glass vitchable smart glass, tinted and ness.
TECHNICAL DATA:	Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database
	N/A	N/A	N/A	info available at the time
APPLICABLE STANDARDS:	ASTM C1036	ASTM C1349	ANSI Z97.1/CPSC	16 CFR 1201 (Cat I & II Impact)
	ASTM C1048	NFPA 80		
SINGLE RESPONSIBILITY:	Isoclima Specialty Glass, Program that ensures or			vered by our Single Responsibility™ ases of manufacturing.
INSTALLATION:	_	erica (GANA) Glazing and oisture and water to esc	d Sealant Manuals. Glazi	n the current edition of the Glass ng systems should incorporate a
	Edge: 3/8"	-		
	Bite: 1"			

















PRODUCT NAME:	1 9/16" CLEAR INFERI	NOGARD® 45-SP019		
PRODUCT CODE:	INFERNOGARD 45-SP	019		
CONSTRUCTION:	This is a glass laminate, I	no exposed plastic (polyc	arbonate, PET, etc.). Ex	act Construction is Proprietary.
PERFORMANCE TESTING:	ASTM F1233-21 Class 2.3	3 Contraband, Class 3.3 B	ody	
	NIJ 0108.01 Level IIIA 5 s	shots 44 Magnum SWCG0	C + 5 shots 9mm FMJ Pr	otection
THICKNESS:	1.51"			
THICKNESS TOLERANCE:	1.38-1.71"			
WEIGHT:	14.4 lbs./ft2			
MINIMUM SIZE:	12x12"			
MAXIMUM SIZE:	60x96"			
OPTIONS:	including transparent m	• • • • • •	ting glass units (IGU), sv	g) glass, low-e glass, reflective glass witchable smart glass, tinted and ness.
TECHNICAL DATA:	Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database
	N/A	N/A	N/A	info available at the time
APPLICABLE STANDARDS:	ASTM C1036	ASTM C1349		C 16 CFR 1201 (Cat I & II Impact)
AFFEICABLE STANDANDS.	ASTM C1048	ASTM C1422	NFPA 80	
SINGLE RESPONSIBILITY:	The state of the s	LLC and Global Security on the firm has handled and i		vered by our Single Responsibility™ ases of manufacturing.
INSTALLATION:	Association of North Am		l Sealant Manuals. Glaz	n the current edition of the Glass ing systems should incorporate a
	Recommended Clearance	e:		
	Face: 1/8" per side			
	•			
	Edge: 3/8"			

















ily allaming				
PRODUCT NAME:	1 13/16" CLEAR INFER	RNOGARD® 45-SP028		
PRODUCT CODE:	INFERNOGARD 45-SP	028		
CONSTRUCTION:	This is a glass laminate, r	no exposed plastic (polyc	arbonate, PET, etc.). Ex	act Construction is Proprietary.
PERFORMANCE TESTING:	ASTM F1233-21 Class 2.3	3 Contraband, Class 3.3 B	ody	
	NIJ 0108.01 Level IIIA 5 s	hots 44 Magnum SWCG0	C + 5 shots 9mm FMJ Pr	otection
THICKNESS:	1.81"			
THICKNESS TOLERANCE:	1.61-1.99"			
WEIGHT:	16.0 lbs./ft2			
MINIMUM SIZE:	12x12"			
MAXIMUM SIZE:	60x96"			
OPTIONS:		irror, bird friendly, insula	ting glass units (IGU), sv	g) glass, low-e glass, reflective glass witchable smart glass, tinted and ness.
TECHNICAL DATA:	Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database
	N/A	N/A	N/A	info available at the time
APPLICABLE STANDARDS:	ASTM C1036	ASTM C1349		C 16 CFR 1201 (Cat I & II Impact)
ATTECABLE STANDANDS.	ASTM C1048	ASTM C1422	NFPA 80	
SINGLE RESPONSIBILITY:	The state of the s	LLC and Global Security on the firm has handled and i	= :	vered by our Single Responsibility™ ases of manufacturing.
INSTALLATION:	Association of North Am		l Sealant Manuals. Glaz	n the current edition of the Glass ing systems should incorporate a
	Recommended Clearanc	e:		
	Face: 1/8" per side			
	Edge: 3/8"			

















Security Glazing				
PRODUCT NAME:	2 1/16" CLEAR INFERI	NOGARD® 45-SP035		
PRODUCT CODE:	INFERNOGARD 45-SP	035		
CONSTRUCTION:	This is a glass laminate, I	no exposed plastic (polyc	arbonate, PET, etc.). Exa	act Construction is Proprietary.
PERFORMANCE TESTING:	ASTM F1233-21 Class 2.3	3 Contraband, Class 3.3 B	ody	
	NIJ 0108.01 Level IIIA 5 s	shots 44 Magnum SWCG0	C + 5 shots 9mm FMJ Pro	otection
THICKNESS:	2.06"			
THICKNESS TOLERANCE:	1.86-2.26"			
WEIGHT:	19.5 lbs./ft2			
MINIMUM SIZE:	12x12"			
MAXIMUM SIZE:	60x96"			
OPTIONS:	including transparent m		ting glass units (IGU), sv	g) glass, low-e glass, reflective glass witchable smart glass, tinted and ness.
TECHNICAL DATA:	Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database
	N/A	N/A	N/A	info available at the time
APPLICABLE STANDARDS:	ASTM C1036	ASTM C1349	ANSI Z97.1/CPSC	: 16 CFR 1201 (Cat I & II Impact)
ALLECABLE STANDANDS.	ASTM C1048	ASTM C1422	NFPA 80	
SINGLE RESPONSIBILITY:	The state of the s	LLC and Global Security ne firm has handled and i	= :	vered by our Single Responsibility™ ases of manufacturing.
INSTALLATION:	Association of North Am		l Sealant Manuals. Glazi	n the current edition of the Glass ing systems should incorporate a
	Recommended Clearance	e:		
	Face: 1/8" per side			
	Edge: 3/8"			

















PRODUCT NAME:	1 11/16" CLEAR INFER	RNOGARD® 45-SP188		
PRODUCT CODE:	INFERNOGARD 45-SP:	188		
CONSTRUCTION:	This is a glass laminate, r	no exposed plastic (polyc	arbonate, PET, etc.). Ex	act Construction is Proprietary.
PERFORMANCE TESTING:	ASTM F1233-21 Class 2.3	3 Contraband, Class 3.3 B	ody	
	NIJ 0108.01 Level IIIA 5 s	hots 44 Magnum SWCG0	C + 5 shots 9mm FMJ Pr	otection
THICKNESS:	1.69"			
THICKNESS TOLERANCE:	1.53"			
WEIGHT:	1.85"			
MINIMUM SIZE:	17.9 lbs./ft2			
MAXIMUM SIZE:	60x96"			
OPTIONS:		rror, bird friendly, insula	ting glass units (IGU), s	g) glass, low-e glass, reflective glass witchable smart glass, tinted and ness.
TECHNICAL DATA:	Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database
	N/A	N/A	N/A	info available at the time
APPLICABLE STANDARDS:	ASTM C1036 NFPA 80	ASTM C1349	ANSI Z97.1/CPS0	C 16 CFR 1201 (Cat I & II Impact)
SINGLE RESPONSIBILITY:	Isoclima Specialty Glass, Program that ensures or	=	= -	vered by our Single Responsibility™ ases of manufacturing.
INSTALLATION:	_	erica (GANA) Glazing and	l Sealant Manuals. Glaz	n the current edition of the Glass ing systems should incorporate a
	Recommended Clearanc	e:		
	Face: 1/8" per side	e		
	Edge: 3/8"			
	Bite: 1"			

















PRODUCT NAME:	1 3/4" CLEAR INFERN	OGARD® 45-SP293		
PRODUCT CODE:	INFERNOGARD 45-SP	293		
CONSTRUCTION:	This is a glass laminate, I	no exposed plastic (polyc	arbonate, PET, etc.). Ex	act Construction is Proprietary.
PERFORMANCE TESTING:	ASTM F1233-21 Class 2.3	3 Contraband, Class 3.3 B	ody	
	NIJ 0108.01 Level IIIA 5 s	shots 44 Magnum SWCG0	C + 5 shots 9mm FMJ Pr	otection
THICKNESS:	1.75"			
THICKNESS TOLERANCE:	1.62-1.95"			
WEIGHT:	19.4 lbs./ft2			
MINIMUM SIZE:	12x12"			
MAXIMUM SIZE:	60x96"			
OPTIONS:	including transparent m		ting glass units (IGU), sv	g) glass, low-e glass, reflective glass witchable smart glass, tinted and ness.
TECHNICAL DATA:	Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database
	N/A	N/A	N/A	info available at the time
APPLICABLE STANDARDS:	ASTM C1036 NFPA 80	ASTM C1349	ANSI Z97.1/CPS0	C 16 CFR 1201 (Cat I & II Impact)
SINGLE RESPONSIBILITY:	· ·	LLC and Global Security one firm has handled and i	• .	vered by our Single Responsibility™ ases of manufacturing.
INSTALLATION:	Association of North Am		l Sealant Manuals. Glaz	n the current edition of the Glass ing systems should incorporate a
	Recommended Clearance	e:		
	Face: 1/8" per side			
	Edge: 3/8"	•		

















Security Glazing				
PRODUCT NAME:	1 7/8" CLEAR INFERNO	OGARD® 45-SP311		
PRODUCT CODE:	INFERNOGARD 45-SP3	311		
CONSTRUCTION:	This is a glass laminate, r	no exposed plastic (polyc	arbonate, PET, etc.). Exa	act Construction is Proprietary.
PERFORMANCE TESTING:	ASTM F1233-21 Class 2.3	3 Contraband, Class 3.3 B	ody	
	NIJ 0108.01 Level IIIA 5 s	hots 44 Magnum SWCG(C + 5 shots 9mm FMJ Pro	otection
THICKNESS:	1.87"			
THICKNESS TOLERANCE:	1.73-2.08"			
WEIGHT:	21.1 lbs./ft2			
MINIMUM SIZE:	12x12"			
MAXIMUM SIZE:	60x96"			
OPTIONS:		rror, bird friendly, insula	ting glass units (IGU), sw	g) glass, low-e glass, reflective glass vitchable smart glass, tinted and ness.
TECHNICAL DATA:	Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database
	N/A	N/A	N/A	info available at the time
APPLICABLE STANDARDS:	ASTM C1036	ASTM C1349	ANSI Z97.1/CPSC	16 CFR 1201 (Cat I & II Impact)
	NFPA 80			
SINGLE RESPONSIBILITY:			= :	vered by our Single Responsibility™ ases of manufacturing.
	Isoclima Specialty Glass, Program that ensures or All glass should be instal	ne firm has handled and i led in accordance with the erica (GANA) Glazing and	s accountable for all pha ne guidelines set forth in I Sealant Manuals. Glazi	ases of manufacturing. The current edition of the Glass of systems should incorporate a
	Isoclima Specialty Glass, Program that ensures or All glass should be instal Association of North Am	ne firm has handled and i led in accordance with the erica (GANA) Glazing and oisture and water to esc	s accountable for all pha ne guidelines set forth in I Sealant Manuals. Glazi	ases of manufacturing. The current edition of the Glass of systems should incorporate a
	Isoclima Specialty Glass, Program that ensures or All glass should be instal Association of North Am weep system to allow m	ne firm has handled and in led in accordance with the ledica (GANA) Glazing and oisture and water to escape:	s accountable for all pha ne guidelines set forth in I Sealant Manuals. Glazi	ases of manufacturing. The current edition of the Glass of systems should incorporate a
SINGLE RESPONSIBILITY: INSTALLATION:	Isoclima Specialty Glass, Program that ensures or All glass should be instal Association of North Am weep system to allow m Recommended Clearance	ne firm has handled and in led in accordance with the ledica (GANA) Glazing and oisture and water to escape:	s accountable for all pha ne guidelines set forth in I Sealant Manuals. Glazi	ases of manufacturing. The current edition of the Glass of systems should incorporate a

















PRODUCT NAME:	2 1/16" CLEAR INFERM	NOGARD® 45-SP412		
PRODUCT CODE:	INFERNOGARD 45-SP4	412		
CONSTRUCTION:	This is a glass laminate, r	no exposed plastic (polyc	arbonate, PET, etc.). Exa	act Construction is Proprietary.
PERFORMANCE TESTING:	ASTM F1233-21 Class 2.3	3 Contraband, Class 3.3 B	ody	
	NIJ 0108.01 Level IIIA 5 s	hots 44 Magnum SWCG0	C + 5 shots 9mm FMJ Pro	otection
THICKNESS:	2.02"			
THICKNESS TOLERANCE:	1.86-2.24"			
WEIGHT:	22.8 lbs./ft2			
MINIMUM SIZE:	12x12"			
MAXIMUM SIZE:	60x96"			
OPTIONS:		irror, bird friendly, insula	ting glass units (IGU), sw	a) glass, low-e glass, reflective glass witchable smart glass, tinted and ness.
TECHNICAL DATA:	Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database
	N/A	N/A	N/A	info available at the time
APPLICABLE STANDARDS:	ASTM C1036 NFPA 80	ASTM C1349	ANSI Z97.1/CPSC	16 CFR 1201 (Cat I & II Impact)
SINGLE RESPONSIBILITY:	Isoclima Specialty Glass, Program that ensures or	•		vered by our Single Responsibility™ ases of manufacturing.
INSTALLATION:	_		=	the current edition of the Glass ng systems should incorporate a
	weep system to allow m	oisture and water to esca	ape the glazing channel.	
			ape the glazing channel.	
	Recommended Clearanc	e:	ape the glazing channel.	
		e:	ape the glazing channel.	

















PRODUCT NAME:	2 3/16" CLEAR INFERI	NOGARD® 45-SP513		
PRODUCT CODE:	INFERNOGARD 45-SP	513		
CONSTRUCTION:	This is a glass laminate, I	no exposed plastic (polyc	arbonate, PET, etc.). Exa	act Construction is Proprietary.
PERFORMANCE TESTING:	ASTM F1233-21 Class 2.3	3 Contraband, Class 3.3 B	ody	
	NIJ 0108.01 Level IIIA 5 s	hots 44 Magnum SWCG	C + 5 shots 9mm FMJ Pro	otection
THICKNESS:	2.17"			
THICKNESS TOLERANCE:	2.00-2.40"			
WEIGHT:	24.4 lbs./ft2			
MINIMUM SIZE:	12x12"			
MAXIMUM SIZE:	60x96"			
OPTIONS:		rror, bird friendly, insula	ting glass units (IGU), sv	g) glass, low-e glass, reflective glass vitchable smart glass, tinted and ness.
TECHNICAL DATA:	Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database
	N/A	N/A	N/A	info available at the time
APPLICABLE STANDARDS:	ASTM C1036 NFPA 80	ASTM C1349	ANSI Z97.1/CPSC	16 CFR 1201 (Cat I & II Impact)
SINGLE RESPONSIBILITY:	Isoclima Specialty Glass, Program that ensures or	•	• .	vered by our Single Responsibility™ ases of manufacturing.
INSTALLATION:	_	erica (GANA) Glazing and	d Sealant Manuals. Glazi	n the current edition of the Glass ng systems should incorporate a
	Recommended Clearance	e:		
	Face: 1/8" per side			
	Edge: 3/8"	-		
	<u> </u>			
	Edge: 3/8" Bite: 1"			

















Security Glazing				
PRODUCT NAME:	NIJ LEVEL IIA - BULLET	RESISTANT GLASS		
PRODUCT CODE:	BR-113 NIJ			
CONSTRUCTION:	This is a glass laminate, r	no exposed plastic (polyc	arbonate, PET, etc.). Exa	act Construction is Proprietary.
PERFORMANCE TESTING:	ASTM F1233-21 Class 2.3	3 Contraband, Class 3.3 B	ody	
	NIJ 0108.01 Level IIIA 5 s	hots 44 Magnum SWCG(C + 5 shots 9mm FMJ Pro	otection
THICKNESS:	1.295"			
THICKNESS TOLERANCE:	1.209-1.381"			
WEIGHT:	16.05 lbs./ft2			
MINIMUM SIZE:	12x12"			
MAXIMUM SIZE:	60x96"			
OPTIONS:		irror, bird friendly, insula	ting glass units (IGU), sw	g) glass, low-e glass, reflective glass vitchable smart glass, tinted and ness.
TECHNICAL DATA:	Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database
	0.78	0.67	0.85	info available at the time
APPLICABLE STANDARDS:	ASTM C1036	ASTM C1172	ANSI Z97.1/CPSC	16 CFR 1201 (Cat I & II Impact)
SINGLE RESPONSIBILITY:	Isoclima Specialty Glass, Program that ensures or			vered by our Single Responsibility™ ases of manufacturing.
INSTALLATION:	All glass should be instal	led in accordance with th	ne guidelines set forth in	the current edition of the Glass
	Association of North Am weep system to allow m	erica (GANA) Glazing and	l Sealant Manuals. Glazi	ng systems should incorporate a
		erica (GANA) Glazing and oisture and water to esca	l Sealant Manuals. Glazi	ng systems should incorporate a
	weep system to allow m	erica (GANA) Glazing and oisture and water to escand escand	l Sealant Manuals. Glazi	ng systems should incorporate a
	weep system to allow m	erica (GANA) Glazing and oisture and water to escand escand	l Sealant Manuals. Glazi	ng systems should incorporate a

















XGARD® MP750			
P750 NIJ			
is is a glass laminate, ı	no exposed plastic (polyc	arbonate, PET, etc.). Exa	act Construction is Proprietary.
TM F1233-21 Class 2.3	3 Contraband, Class 3.3 B	ody	
J 0108.01 Level IIIA 5 s	shots 44 Magnum SWCG(C + 5 shots 9mm FMJ Pro	otection
56"			
90842"			
76 lbs./ft2			
x12"			
x96"			
cluding transparent mi	irror, bird friendly, insula	ting glass units (IGU), sv	witchable smart glass, tinted and
Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database
0.80	0.78	0.67	info available at the time
ASTM C1036	ASTM C1172	ANSI Z97.1/CPSC	16 CFR 1201 (Cat I & II Impact)
		= :	
sociation of North Am	erica (GANA) Glazing and	l Sealant Manuals. Glazi	ing systems should incorporate a
commended Clearanc	e:		
ge: 3/8"			
	is is a glass laminate, in TM F1233-21 Class 2.3 0 108.01 Level IIIA 5 s 56" 90842" 76 lbs./ft2 x12" x96" Inted glass, low iron glab cluding transparent manslucent interlayers. In the series of th	is is a glass laminate, no exposed plastic (polycomes is a glass should be installed in accordance with the sociation of North America (GANA) Glazing and exposed per side commended Clearance: commended Clearance:	TM F1233-21 Class 2.3 Contraband, Class 3.3 Body 1 0108.01 Level IIIA 5 shots 44 Magnum SWCGC + 5 shots 9mm FMJ Pro 66" 20842" 76 lbs./ft2 x12" x96" Inted glass, low iron glass, printed (spandrel and pattern screen printing cluding transparent mirror, bird friendly, insulating glass units (IGU), so inslucent interlayers. Please note some options may increase OA thicker Visible Light Transmission (VLT) 0.80 0.78 0.67 ASTM C1036 ASTM C1172 ANSI Z97.1/CPSC Octima Specialty Glass, LLC and Global Security Glazing products are conformation and the security Glazing products are conformation of North America (GANA) Glazing and Sealant Manuals. Glazing exp system to allow moisture and water to escape the glazing channel.

















F1233-21 Class 2.5 98.01 Level IIIA 5 s 41" s./ft2 glass, low iron glang transparent mi	3 Contraband, Class 3.3 B shots 44 Magnum SWCGO	ody C + 5 shots 9mm FMJ Pro I pattern screen printing ting glass units (IGU), sw	c) glass, low-e glass, reflective glass vitchable smart glass, tinted and
a glass laminate, i F1233-21 Class 2.3 8.01 Level IIIA 5 s 41" s./ft2 glass, low iron glang transparent mi	3 Contraband, Class 3.3 B shots 44 Magnum SWCGO ass, printed (spandrel and irror, bird friendly, insula	ody C + 5 shots 9mm FMJ Pro I pattern screen printing ting glass units (IGU), sw	otection a) glass, low-e glass, reflective glass vitchable smart glass, tinted and
F1233-21 Class 2.5 98.01 Level IIIA 5 s 41" s./ft2 glass, low iron glang transparent mi	3 Contraband, Class 3.3 B shots 44 Magnum SWCGO ass, printed (spandrel and irror, bird friendly, insula	ody C + 5 shots 9mm FMJ Pro I pattern screen printing ting glass units (IGU), sw	otection a) glass, low-e glass, reflective glass vitchable smart glass, tinted and
18.01 Level IIIA 5 s 41" s./ft2 glass, low iron glang transparent m	shots 44 Magnum SWCGO ass, printed (spandrel and irror, bird friendly, insula	C + 5 shots 9mm FMJ Pro	c) glass, low-e glass, reflective glass vitchable smart glass, tinted and
41" s./ft2 glass, low iron gla ng transparent mi	ass, printed (spandrel and irror, bird friendly, insula	I pattern screen printing ting glass units (IGU), sw	c) glass, low-e glass, reflective glass vitchable smart glass, tinted and
s./ft2 glass, low iron gla ng transparent mi	irror, bird friendly, insula	ting glass units (IGU), sw	vitchable smart glass, tinted and
s./ft2 glass, low iron gla ng transparent mi	irror, bird friendly, insula	ting glass units (IGU), sw	vitchable smart glass, tinted and
glass, low iron gla ng transparent mi	irror, bird friendly, insula	ting glass units (IGU), sw	vitchable smart glass, tinted and
glass, low iron glang transparent m	irror, bird friendly, insula	ting glass units (IGU), sw	vitchable smart glass, tinted and
glass, low iron glang transparent m	irror, bird friendly, insula	ting glass units (IGU), sw	vitchable smart glass, tinted and
ng transparent mi	irror, bird friendly, insula	ting glass units (IGU), sw	vitchable smart glass, tinted and
-	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database
0.73	0.86	0.55	info available at the time
STM C1036	ASTM C1172	ANSI Z97.1/CPSC	16 CFR 1201 (Cat I & II Impact)
	· · · · · · · · · · · · · · · · · · ·	= :	
ntion of North Am	nerica (GANA) Glazing and	d Sealant Manuals. Glazi	ng systems should incorporate a
mended Clearanc	ce:		
1/8" per sid	e		
3/8"			
1"			
	a Specialty Glass, m that ensures on s should be installed in the standard of North Amystem to allow manded Clearance 1/8" per sid 3/8"	o.73 O.86 STM C1036 ASTM C1172 a Specialty Glass, LLC and Global Security on that ensures one firm has handled and it is should be installed in accordance with that one of North America (GANA) Glazing and ystem to allow moisture and water to escape the state of	Semission (VLT) Coefficient (SHGC) (BTU/hr*ft² * °F) 0.73 0.86 0.55 STM C1036 ASTM C1172 ANSI Z97.1/CPSC a Specialty Glass, LLC and Global Security Glazing products are countable for all phases are should be installed in accordance with the guidelines set forth in ation of North America (GANA) Glazing and Sealant Manuals. Glazing stem to allow moisture and water to escape the glazing channel. mended Clearance: 1/8" per side 3/8"

















PRODUCT NAME:	NIJ LEVEL IIA - SECUR-TEM + POLY®				
PRODUCT CODE:	SP175 NIJ				
CONSTRUCTION:	This is a glass laminate, I	no exposed plastic (polyc	arbonate, PET, etc.). Ex	act Construction is Proprietary.	
PERFORMANCE TESTING:	ASTM F1233-21 Class 2.3	3 Contraband, Class 3.3 B	ody		
	NIJ 0108.01 Level IIIA 5 s	hots 44 Magnum SWCG	C + 5 shots 9mm FMJ Pro	otection	
THICKNESS:	.681"				
THICKNESS TOLERANCE:	.634728"				
WEIGHT:	7.84 lbs./ft2				
MINIMUM SIZE:	12x12"				
MAXIMUM SIZE:	60x96"				
OPTIONS:	_	irror, bird friendly, insula	ting glass units (IGU), sv	g) glass, low-e glass, reflective glass witchable smart glass, tinted and ness.	
TECHNICAL DATA:	Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBN Window & Optics Software with the latest datab	
	0.81	0.69	0.86	info available at the time	
APPLICABLE STANDARDS:	ASTM C1036	ASTM C1172	ANSI Z97.1/CPSC	16 CFR 1201 (Cat I & II Impact)	
SINGLE RESPONSIBILITY:	Isoclima Specialty Glass, Program that ensures or	· · · · · · · · · · · · · · · · · · ·	= :	vered by our Single Responsibility™ ases of manufacturing.	
INSTALLATION:	_	erica (GANA) Glazing and	d Sealant Manuals. Glazi	n the current edition of the Glass ing systems should incorporate a	
	Recommended Clearance	e:			
	Face: 1/8" per side				
	Edge: 3/8"	-			
	_ ·				
	Bite: 1"				

















Security Glazing				
PRODUCT NAME:	NIJ LEVEL IIA - SECUR-	-TEM + POLY®		
PRODUCT CODE:	SP188 NIJ			
CONSTRUCTION:	This is a glass laminate, r	no exposed plastic (polyc	arbonate, PET, etc.). Ex	act Construction is Proprietary.
PERFORMANCE TESTING:	ASTM F1233-21 Class 2.3	3 Contraband, Class 3.3 B	ody	
	NIJ 0108.01 Level IIIA 5 s	shots 44 Magnum SWCG0	C + 5 shots 9mm FMJ Pr	otection
THICKNESS:	.861"			
THICKNESS TOLERANCE:	.797923"			
WEIGHT:	9.65 lbs./ft2			
MINIMUM SIZE:	12x12"			
MAXIMUM SIZE:	60x96"			
OPTIONS:	including transparent mi		ting glass units (IGU), sv	g) glass, low-e glass, reflective glass vitchable smart glass, tinted and ness.
TECHNICAL DATA:	Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBN Window & Optics Software with the latest datab
	0.77	0.64	0.84	info available at the time
APPLICABLE STANDARDS:	ASTM C1036	ASTM C1349	ANSI Z97.1/CPSC	16 CFR 1201 (Cat I & II Impact)
SINGLE RESPONSIBILITY:		LLC and Global Security ne firm has handled and i	• .	vered by our Single Responsibility™ ases of manufacturing.
INSTALLATION:	Association of North Am	nerica (GANA) Glazing and noisture and water to esca	d Sealant Manuals. Glaz	n the current edition of the Glass ing systems should incorporate a

















PRODUCT NAME:	NIJ LEVEL IIIA - SECUR-TEM + POLY®			
PRODUCT CODE:	SP412 NIJ			
CONSTRUCTION:	This is a glass laminate,	no exposed plastic (polyc	arbonate, PET, etc.). Exa	act Construction is Proprietary.
PERFORMANCE TESTING:	ASTM F1233-21 Class 2.3	3 Contraband, Class 3.3 E	ody	
	NIJ 0108.01 Level IIIA 5 s	shots 44 Magnum SWCG	C + 5 shots 9mm FMJ Pro	otection
THICKNESS:	1.220"			
THICKNESS TOLERANCE:	1.130-1.310"			
WEIGHT:	14.5 lbs./ft2			
MINIMUM SIZE:	12x12"			
MAXIMUM SIZE:	60x96"			
OPTIONS:		irror, bird friendly, insula	ting glass units (IGU), sv	g) glass, low-e glass, reflective glass vitchable smart glass, tinted and ness.
TECHNICAL DATA:	Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database
	0.75	0.6	0.81	info available at the time
APPLICABLE STANDARDS:	ASTM C1036	ASTM C1349	ANSI Z97.1/CPSC	2 16 CFR 1201 (Cat I & II Impact)
SINGLE RESPONSIBILITY:	Isoclima Specialty Glass, LLC and Global Security Glazing products are covered by our Single Responsibility™ Program that ensures one firm has handled and is accountable for all phases of manufacturing.			
INSTALLATION:	•	nerica (GANA) Glazing and oisture and water to esc	d Sealant Manuals. Glazi	n the current edition of the Glass ing systems should incorporate a
	Face: 1/8" per sid Edge: 3/8"	e		
	Bite: 1"			
	DICE. I			

















NIJ LEVEL III - SECUR-TEM + POLY®			
SPN316 NIJ			
This is a glass laminate, r	no exposed plastic (polyc	arbonate, PET, etc.). Ex	act Construction is Proprietary.
ASTM F1233-21 Class 2.3	3 Contraband, Class 3.3 B	ody	
NIJ 0108.01 Level IIIA 5 s	hots 44 Magnum SWCG0	C + 5 shots 9mm FMJ Pr	otection
1.572"			
1.461-1.683"			
18.39 lbs./ft2			
12x12"			
60x96"			
including transparent mi	irror, bird friendly, insula	ting glass units (IGU), sv	witchable smart glass, tinted and
Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database
0.73	0.58	0.74	info available at the time
ASTM C1036	ASTM C1349	ANSI Z97.1/CPSC	16 CFR 1201 (Cat I & II Impact)
•		= :	
Association of North Am	erica (GANA) Glazing and	d Sealant Manuals. Glaz	ing systems should incorporate a
Recommended Clearanc	e:		
Face: 1/8" per side	е		
Face: 1/8" per side Edge: 3/8"	e		
	SPN316 NIJ This is a glass laminate, in ASTM F1233-21 Class 2.3 NIJ 0108.01 Level IIIA 5 st 1.572" 1.461-1.683" 18.39 lbs./ft2 12x12" 60x96" Tinted glass, low iron glaincluding transparent mit translucent interlayers. In Interlayers and Interlayers an	SPN316 NIJ This is a glass laminate, no exposed plastic (polyce ASTM F1233-21 Class 2.3 Contraband, Class 3.3 B NIJ 0108.01 Level IIIA 5 shots 44 Magnum SWCGO 1.572" 1.461-1.683" 18.39 lbs./ft2 12x12" 60x96" Tinted glass, low iron glass, printed (spandrel and including transparent mirror, bird friendly, insula translucent interlayers. Please note some options Visible Light Solar Heat Gain Coefficient (SHGC) 0.73 0.58 ASTM C1036 ASTM C1349 Isoclima Specialty Glass, LLC and Global Security of Program that ensures one firm has handled and in All glass should be installed in accordance with the Association of North America (GANA) Glazing and	SPN316 NIJ This is a glass laminate, no exposed plastic (polycarbonate, PET, etc.). Ex ASTM F1233-21 Class 2.3 Contraband, Class 3.3 Body NIJ 0108.01 Level IIIA 5 shots 44 Magnum SWCGC + 5 shots 9mm FMJ Pr. 1.572" 1.461-1.683" 18.39 lbs./ft2 12x12" 60x96" Tinted glass, low iron glass, printed (spandrel and pattern screen printing including transparent mirror, bird friendly, insulating glass units (IGU), so translucent interlayers. Please note some options may increase OA thick. Visible Light Solar Heat Gain U-Value Transmission (VLT) Coefficient (SHGC) (BTU/hr*ft² * °F) 0.73 0.58 0.74 ASTM C1036 ASTM C1349 ANSI Z97.1/CPSC Isoclima Specialty Glass, LLC and Global Security Glazing products are co Program that ensures one firm has handled and is accountable for all ph All glass should be installed in accordance with the guidelines set forth in Association of North America (GANA) Glazing and Sealant Manuals. Glaz weep system to allow moisture and water to escape the glazing channel

















NIJ LEVEL IV - SECUR-TEM + POLY®				
SPN420 NIJ				
This is a glass laminate, r	no exposed plastic (polyc	arbonate, PET, etc.). Ex	act Construction is Proprietary.	
ASTM F1233-21 Class 2.3	3 Contraband, Class 3.3 B	ody		
NIJ 0108.01 Level IIIA 5 s	shots 44 Magnum SWCG0	C + 5 shots 9mm FMJ Pro	otection	
2.163"				
2.010-2.316"				
25.3 lbs./ft2				
12x12"				
60x96"				
including transparent mi	irror, bird friendly, insula	ting glass units (IGU), sv	vitchable smart glass, tinted and	
Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database	
0.64	0.54	0.68	info available at the time	
ASTM C1036	ASTM C1349	ANSI Z97.1/CPSC	16 CFR 1201 (Cat I & II Impact)	
The state of the s				
Association of North Am	erica (GANA) Glazing and	l Sealant Manuals. Glazi	ing systems should incorporate a	
Recommended Clearance	e:			
Recommended Clearanc				
Recommended Clearanc Face: 1/8" per side Edge: 3/8"				
	SPN420 NIJ This is a glass laminate, in this is a glass, low iron glass, including transparent methodological translucent interlayers. In this is a glass, low iron glass including transparent methodological transmission (VLT) O.64 ASTM C1036 Isoclima Specialty Glass, Program that ensures or the control of the c	SPN420 NIJ This is a glass laminate, no exposed plastic (polyce ASTM F1233-21 Class 2.3 Contraband, Class 3.3 B NIJ 0108.01 Level IIIA 5 shots 44 Magnum SWCGC 2.163" 2.010-2.316" 25.3 lbs./ft2 12x12" 60x96" Tinted glass, low iron glass, printed (spandrel and including transparent mirror, bird friendly, insula translucent interlayers. Please note some options Visible Light Solar Heat Gain Coefficient (SHGC) 0.64 0.54 ASTM C1036 ASTM C1349 Isoclima Specialty Glass, LLC and Global Security of Program that ensures one firm has handled and in All glass should be installed in accordance with the Association of North America (GANA) Glazing and	SPN420 NIJ This is a glass laminate, no exposed plastic (polycarbonate, PET, etc.). Exception of Extended Peters of Spn420 NIJ O108.01 Level IIIA 5 shots 44 Magnum SWCGC + 5 shots 9mm FMJ Proceedings of Spn42010-2.316" 2.010-2.316" 25.3 lbs./ft2 12x12" 60x96" Tinted glass, low iron glass, printed (spandrel and pattern screen printing including transparent mirror, bird friendly, insulating glass units (IGU), sward translucent interlayers. Please note some options may increase OA thicked Visible Light Transmission (VLT) O.64 O.54 O.68	

















PRODUCT NAME:	SECUR-LITE 3X						
PRODUCT CODE:	SL716-3X	SL716-3X					
CONSTRUCTION:	This is a glass laminate, r	no exposed plastic (polyc	arbonate, PET, etc.). Exa	act Construction is Proprietary.			
PERFORMANCE TESTING:	ASTM F1233-21 Class 2.3	NSTM F1233-21 Class 2.3 Contraband, Class 3.3 Body					
	NIJ 0108.01 Level IIIA 5 s	hots 44 Magnum SWCG0	C + 5 shots 9mm FMJ Pro	otection			
THICKNESS:	.495"	.495"					
THICKNESS TOLERANCE:	.453534"						
WEIGHT:	5.60 lbs/ft2						
MINIMUM SIZE:	12x12"						
MAXIMUM SIZE:	60x96"						
		irror, bird friendly, insula	ting glass units (IGU), sv	glass, low-e glass, reflective glass vitchable smart glass, tinted and ness.			
TECHNICAL DATA:	Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database			
	0.87	0.83	0.92	info available at the time			
APPLICABLE STANDARDS:	ASTM C1036 ASTM C1048	ASTM C1172 ASTM C1422	ANSI Z97.1/CPSC	16 CFR 1201 (Cat I & II Impact)			
SINGLE RESPONSIBILITY:	Isoclima Specialty Glass, Program that ensures or	•	• .	vered by our Single Responsibility™ ases of manufacturing.			
INSTALLATION:	_	erica (GANA) Glazing and	l Sealant Manuals. Glazi	the current edition of the Glass ng systems should incorporate a			
INSTALLATION:	Association of North Am	erica (GANA) Glazing and oisture and water to esca	l Sealant Manuals. Glazi	ng systems should incorporate a			
INSTALLATION:	Association of North Am weep system to allow m	erica (GANA) Glazing and oisture and water to escand water to escand escand	l Sealant Manuals. Glazi	ng systems should incorporate a			
INSTALLATION:	Association of North Am weep system to allow m	erica (GANA) Glazing and oisture and water to escand water to escand escand	l Sealant Manuals. Glazi	ng systems should incorporate a			

















PRODUCT CODE: SL916-4X CONSTRUCTION: This is a glass laminate, no exposed plastic (polycarbonate, PET, etc.). Exact Construction is Proprietary. PERFORMANCE TESTING: ASTM F1233-21 Class 2.3 Contraband, Class 3.3 Body NII 0108.01 Level IIIA 5 shots 44 Magnum SWCGC + 5 shots 9mm FMJ Protection THICKNESS:	Security Giazing				
CONSTRUCTION: This is a glass laminate, no exposed plastic (polycarbonate, PET, etc.). Exact Construction is Proprietary. PERFORMANCE TESTING: ASTM F1233-21 Class 2.3 Contraband, Class 3.3 Body NIJ 0108.01 Level IIIA 5 shots 44 Magnum SWCGC + 5 shots 9mm FMJ Protection THICKNESS: 680" THICKNESS: 6522-734" WEIGHT: 6.52 lbs./ft2 MINIMUM SIZE: 60x96" OPTIONS: Tinted glass, low iron glass, printed (spandrel and pattern screen printing) glass, low-e glass, reflective glass including transparent mirror, bird friendly, insulating glass units (IGU), switchable smart glass, tinted and translucent interlayers. Please note some options may increase OA thickness. TECHNICAL DATA: Visible Light Transmission (VLT) 0.86 0.79 0.88 APPLICABLE STANDARDS: ASTM C1036 ASTM C1036 ASTM C1172 ANSI 297.1/CPSC 16 CFR 1201 (Cat 1 & II Impact) ASTM C1048 ASTM C1048 ASTM C1422 SINGLE RESPONSIBILITY: Isoclima Specialty Glass, LLC and Global Security Glazing products are covered by our Single Responsibility™ Program that ensures one firm has handled and is accountable for all phases of manufacturing. INSTALLATION: All glass should be installed in accordance with the guidelines set forth in the current edition of the Glass Association of North America (GANA) Glazing and Sealant Manuals. Glazing systems should incorporate a weep system to allow moisture and water to escape the glazing channel. Recommended Clearance: Face: 1/8" per side Edge: 3/8"	PRODUCT NAME:	SECUR-LITE 4X®			
PERFORMANCE TESTING: ASTM F1233-21 Class 2.3 Contraband, Class 3.3 Body NIJ 0108.01 Level IIIIA 5 shots 44 Magnum SWCGC + 5 shots 9mm FMJ Protection THICKNESS:	PRODUCT CODE:	SL916-4X			
THICKNESS: .680" THICKNESS TOLERANCE: .622-734" WEIGHT: .6.52 lbs./ft2 MINIMUM SIZE: .12x12" MAXIMUM SIZE: .60x96" OPTIONS: .Tinted glass, low iron glass, printed (spandrel and pattern screen printing) glass, low-e glass, reflective glass including transparent mirror, bird friendly, insulating glass units (IGU), switchable smart glass, tinted and translucent interlayers. Please note some options may increase OA thickness. TECHNICAL DATA:	CONSTRUCTION:	This is a glass laminate,	no exposed plastic (poly	rcarbonate, PET, etc.). Ex	xact Construction is Proprietary.
THICKNESS: .680" THICKNESS TOLERANCE: .622-734" WEIGHT: .6.52 lbs./ft2 MINIMUM SIZE: .72x12" MAXIMUM SIZE: .60x96" OPTIONS: Tinted glass, low iron glass, printed (spandrel and pattern screen printing) glass, low-e glass, reflective glass including transparent mirror, bird friendly, insulating glass units (IGU), switchable smart glass, tinted and translucent interlayers. Please note some options may increase OA thickness. TECHNICAL DATA: Visible Light Transmission (VLT) Solar Heat Gain Coefficient (SHGC) U-Value (BTU/hr*ft² * °F) Window & Optics Software with the lotest dotabase info available at the time .77 cm smittance values are calculated using LBNL window & Optics Software with the lotest dotabase info available at the time .77 cm smittance values are calculated using LBNL window & Optics Software with the lotest dotabase info available at the time .77 cm smittance values are calculated using LBNL window & Optics Software with the lotest dotabase info available at the time .77 cm smittance values are calculated using LBNL window & Optics Software with the lotest dotabase info available at the time .77 cm smittance values are calculated using LBNL window & Optics Software with the lotest dotabase info available at the time .77 cm smittance values are calculated using LBNL window & Optics Software with the lotest dotabase info available at the time .77 cm smittance values are calculated using LBNL window & Optics Software with the lotest dotabase info available at the time .77 cm smittance values are calculated using LBNL window & Optics Software with the lotest dotabase info available at the time .77 cm smittance values are calculated using LBNL window & Optics Software with the lotest dotabase info available at the time .77 cm smittance values are calculated using LBNL window & Optics Software values are calculated using LBNL window & Optics Software values are calculated using LBNL .77 cm smittance values are calculated using LBNL .77 cm smittance values	PERFORMANCE TESTING:	ASTM F1233-21 Class 2	.3 Contraband, Class 3.3	Body	
THICKNESS TOLERANCE: .622734" WEIGHT: 6.52 lbs./ft2 MINIMUM SIZE: 12x12" MAXIMUM SIZE: 60x96" OPTIONS: Tinted glass, low iron glass, printed (spandrel and pattern screen printing) glass, low-e glass, reflective glass including transparent mirror, bird friendly, insulating glass units (IGU), switchable smart glass, tinted and translucent interlayers. Please note some options may increase OA thickness. TECHNICAL DATA: Visible Light Transmiston (VLT) Coefficient (SHGC) (BTU/hr*ft2*°F) 0.86 0.79 0.88 APPLICABLE STANDARDS: ASTM C1036 ASTM C1172 ANSI Z97.1/CPSC 16 CFR 1201 (Cat I & II Impact) ASTM C1048 ASTM C1422 SINGLE RESPONSIBILITY: Isoclima Specialty Glass, LLC and Global Security Glazing products are covered by our Single Responsibility** Program that ensures one firm has handled and is accountable for all phases of manufacturing. INSTALLATION: All glass should be installed in accordance with the guidelines set forth in the current edition of the Glass Association of North America (GANA) Glazing and Sealant Manuals. Glazing systems should incorporate a weep system to allow moisture and water to escape the glazing channel. Recommended Clearance: Face: 1/8" per side Edge: 3/8"		NIJ 0108.01 Level IIIA 5	shots 44 Magnum SWCG	GC + 5 shots 9mm FMJ P	rotection
WEIGHT: 6.52 lbs./ft2 MINIMUM SIZE: 12x12" MAXIMUM SIZE: 60x96" OPTIONS: Tinted glass, low iron glass, printed (spandrel and pattern screen printing) glass, low-e glass, reflective glass including transparent mirror, bird friendly, insulating glass units (IGU), switchable smart glass, tinted and translucent interlayers. Please note some options may increase OA thickness. TECHNICAL DATA: Visible Light Transmission (VLT) Coefficient (SHGC) (BTU/hr*ft² * °F) (BTU/hr*ft² * °F) (BTU/hr*ft² * °F) 0.86 0.79 0.88 APPLICABLE STANDARDS: ASTM C1036 ASTM C1172 ANSI Z97.1/CPSC 16 CFR 1201 (Cat I & II Impact) ASTM C1048 ASTM C1422 SINGLE RESPONSIBILITY: Isoclima Specialty Glass, LLC and Global Security Glazing products are covered by our Single Responsibility™ Program that ensures one firm has handled and is accountable for all phases of manufacturing. INSTALLATION: All glass should be installed in accordance with the guidelines set forth in the current edition of the Glass Association of North America (GANA) Glazing and Sealant Manuals. Glazing systems should incorporate a weep system to allow moisture and water to escape the glazing channel. Recommended Clearance: Face: 1/8" per side Edge: 3/8"	THICKNESS:				
MINIMUM SIZE: 12x12" MAXIMUM SIZE: 60x96" OPTIONS: Tinted glass, low iron glass, printed (spandrel and pattern screen printing) glass, low-e glass, reflective glass including transparent mirror, bird friendly, insulating glass units (IGU), switchable smart glass, tinted and translucent interlayers. Please note some options may increase OA thickness. TECHNICAL DATA: Visible Light Transmission (VLT) Coefficient (SHGC) (BTU/hr*ft2 * °F) (BTU/hr*ft2 * °F) 0.86 0.79 0.88 (BTU/hr*ft2 * °F) 0.86 0.79 0.88 APPLICABLE STANDARDS: ASTM C1036 ASTM C1172 ANSI Z97.1/CPSC 16 CFR 1201 (Cat I & II Impact) ASTM C1048 ASTM C1422 SINGLE RESPONSIBILITY: Isoclima Specialty Glass, LLC and Global Security Glazing products are covered by our Single Responsibility™ Program that ensures one firm has handled and is accountable for all phases of manufacturing. INSTALLATION: All glass should be installed in accordance with the guidelines set forth in the current edition of the Glass Association of North America (GANA) Glazing and Sealant Manuals. Glazing systems should incorporate a weep system to allow moisture and water to escape the glazing channel. Recommended Clearance: Face: 1/8" per side Edge: 3/8"	THICKNESS TOLERANCE:	.622734"			
MAXIMUM SIZE: 60x96" OPTIONS: Tinted glass, low iron glass, printed (spandrel and pattern screen printing) glass, low-e glass, reflective glass including transparent mirror, bird friendly, insulating glass units (IGU), switchable smart glass, tinted and translucent interlayers. Please note some options may increase OA thickness. TECHNICAL DATA: Visible Light Transmission (VLT) Coefficient (SHGC) (BTU/hr*ft² * °F) (BTU/hr	WEIGHT:	6.52 lbs./ft2			
Tinted glass, low iron glass, printed (spandrel and pattern screen printing) glass, low-e glass, reflective glass including transparent mirror, bird friendly, insulating glass units (IGU), switchable smart glass, tinted and translucent interlayers. Please note some options may increase OA thickness. TECHNICAL DATA: Visible Light Transmission (VLT) 0.86 0.79 0.88 ASTM C1036 ASTM C1036 ASTM C1172 ANSI 297.1/CPSC 16 CFR 1201 (Cat I & II Impact) ASTM C1048 ASTM C1422 SINGLE RESPONSIBILITY: Isoclima Specialty Glass, LLC and Global Security Glazing products are covered by our Single Responsibility Program that ensures one firm has handled and is accountable for all phases of manufacturing. INSTALLATION: All glass should be installed in accordance with the guidelines set forth in the current edition of the Glass Association of North America (GANA) Glazing and Sealant Manuals. Glazing systems should incorporate a weep system to allow moisture and water to escape the glazing channel. Recommended Clearance: Face: 1/8" per side Edge: 3/8"	MINIMUM SIZE:	12x12"	12x12"		
including transparent mirror, bird friendly, insulating glass units (IGU), switchable smart glass, tinted and translucent interlayers. Please note some options may increase OA thickness. TECHNICAL DATA: Visible Light Transmission (VLT) 0.86 0.79 0.88 APPLICABLE STANDARDS: ASTM C1036 ASTM C1172 ASTM C1048 ASTM C1422 SINGLE RESPONSIBILITY: Isoclima Specialty Glass, LLC and Global Security Glazing products are covered by our Single Responsibility Program that ensures one firm has handled and is accountable for all phases of manufacturing. INSTALLATION: All glass should be installed in accordance with the guidelines set forth in the current edition of the Glass Association of North America (GANA) Glazing and Sealant Manuals. Glazing systems should incorporate a weep system to allow moisture and water to escape the glazing channel. Recommended Clearance: Face: 1/8" per side Edge: 3/8"	MAXIMUM SIZE:	60x96"			
Transmission (VLT) Coefficient (SHGC) (BTU/hr*ft² * °F) Window & Otto Software with the latest database info ovoilable at the time 0.86 0.79 0.88 APPLICABLE STANDARDS: ASTM C1036 ASTM C1172 ANSI 297.1/CPSC 16 CFR 1201 (Cat I & II Impact) ASTM C1048 ASTM C1422 SINGLE RESPONSIBILITY: Isoclima Specialty Glass, LLC and Global Security Glazing products are covered by our Single Responsibility™ Program that ensures one firm has handled and is accountable for all phases of manufacturing. INSTALLATION: All glass should be installed in accordance with the guidelines set forth in the current edition of the Glass Association of North America (GANA) Glazing and Sealant Manuals. Glazing systems should incorporate a weep system to allow moisture and water to escape the glazing channel. Recommended Clearance: Face: 1/8" per side Edge: 3/8"	OPTIONS:	including transparent n	nirror, bird friendly, insul	ating glass units (IGU), s	witchable smart glass, tinted and
Transmission (VLT) Coefficient (SHGC) (BTU/hr*ft² * °F) Window & Optics Software with the latest database on the l	TECHNICAL DATA:	Visible Light	Solar Heat Gain	U-Value	*Transmittance values are calculated usina LBNL
APPLICABLE STANDARDS: ASTM C1036 ASTM C1172 ASTM C1048 ASTM C1422 SINGLE RESPONSIBILITY: Isoclima Specialty Glass, LLC and Global Security Glazing products are covered by our Single Responsibility™ Program that ensures one firm has handled and is accountable for all phases of manufacturing. INSTALLATION: All glass should be installed in accordance with the guidelines set forth in the current edition of the Glass Association of North America (GANA) Glazing and Sealant Manuals. Glazing systems should incorporate a weep system to allow moisture and water to escape the glazing channel. Recommended Clearance: Face: 1/8" per side Edge: 3/8"		Transmission (VLT)	Coefficient (SHGC)	$(BTU/hr*ft^2 * °F)$	Window & Optics Software with the latest database
ASTM C1048 ASTM C1422 SINGLE RESPONSIBILITY: Isoclima Specialty Glass, LLC and Global Security Glazing products are covered by our Single Responsibility™ Program that ensures one firm has handled and is accountable for all phases of manufacturing. All glass should be installed in accordance with the guidelines set forth in the current edition of the Glass Association of North America (GANA) Glazing and Sealant Manuals. Glazing systems should incorporate a weep system to allow moisture and water to escape the glazing channel. Recommended Clearance: Face: 1/8" per side Edge: 3/8"		0.86	0.79	0.88	info available at the time
SINGLE RESPONSIBILITY: Isoclima Specialty Glass, LLC and Global Security Glazing products are covered by our Single Responsibility™ Program that ensures one firm has handled and is accountable for all phases of manufacturing. All glass should be installed in accordance with the guidelines set forth in the current edition of the Glass Association of North America (GANA) Glazing and Sealant Manuals. Glazing systems should incorporate a weep system to allow moisture and water to escape the glazing channel. Recommended Clearance: Face: 1/8" per side Edge: 3/8"	APPLICABLE STANDARDS:	ASTM C1036	ASTM C1172	ANSI Z97.1/CPS	C 16 CFR 1201 (Cat I & II Impact)
Program that ensures one firm has handled and is accountable for all phases of manufacturing. All glass should be installed in accordance with the guidelines set forth in the current edition of the Glass Association of North America (GANA) Glazing and Sealant Manuals. Glazing systems should incorporate a weep system to allow moisture and water to escape the glazing channel. Recommended Clearance: Face: 1/8" per side Edge: 3/8"		ASTM C1048	ASTM C1422		
Association of North America (GANA) Glazing and Sealant Manuals. Glazing systems should incorporate a weep system to allow moisture and water to escape the glazing channel. Recommended Clearance: Face: 1/8" per side Edge: 3/8"	SINGLE RESPONSIBILITY:		-	= :	
Face: 1/8" per side Edge: 3/8"	INSTALLATION:	Association of North Ar	merica (GANA) Glazing ar	nd Sealant Manuals. Gla	zing systems should incorporate a
Face: 1/8" per side Edge: 3/8"		Recommended Clearan	ce:		
Edge: 3/8"					
		• •			
		=			

















SECUR-LITE 5X			
SL1316-5X			
This is a glass laminate, I	no exposed plastic (polyc	arbonate, PET, etc.). Ex	act Construction is Proprietary.
ASTM F1233-21 Class 2.3	3 Contraband, Class 3.3 B	ody	
NIJ 0108.01 Level IIIA 5 s	shots 44 Magnum SWCG	C + 5 shots 9mm FMJ Pro	otection
.865"			
.791934"			
9.57 lbs./ft2			
12x12"			
60x96"			
	· · · · · · · · · · · · · · · · · · ·	' '	_
Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database
0.84	0.75	0.83	info available at the time
ASTM C1036 ASTM C1048	ASTM C1172 ASTM C1422	ANSI Z97.1/CPSC	16 CFR 1201 (Cat I & II Impact)
1 '	•		
Association of North Am	erica (GANA) Glazing and	d Sealant Manuals. Glaz	ing systems should incorporate a
Recommended Clearance	e:		
	-		
Edge: 3/8"			
	SL1316-5X This is a glass laminate, in ASTM F1233-21 Class 2.3. NIJ 0108.01 Level IIIA 5 st. 865" .791934" 9.57 lbs./ft2 12x12" 60x96" Tinted glass, low iron glaincluding transparent m translucent interlayers. In Visible Light Transmission (VLT) 0.84 ASTM C1036 ASTM C1048 Isoclima Specialty Glass, Program that ensures or All glass should be install Association of North Amweep system to allow mercal size and si	SL1316-5X This is a glass laminate, no exposed plastic (polycolors) ASTM F1233-21 Class 2.3 Contraband, Class 3.3 B NIJ 0108.01 Level IIIA 5 shots 44 Magnum SWCGG .865" .791934" 9.57 lbs./ft2 12x12" 60x96" Tinted glass, low iron glass, printed (spandrel and including transparent mirror, bird friendly, insula translucent interlayers. Please note some options Visible Light Solar Heat Gain Coefficient (SHGC) 0.84 0.75 ASTM C1036 ASTM C1172 ASTM C1048 ASTM C1422 Isoclima Specialty Glass, LLC and Global Security Program that ensures one firm has handled and in Association of North America (GANA) Glazing and weep system to allow moisture and water to escape the state of the system and water to escape the system and water to e	SL1316-5X This is a glass laminate, no exposed plastic (polycarbonate, PET, etc.). Ex. ASTM F1233-21 Class 2.3 Contraband, Class 3.3 Body NIJ 0108.01 Level IIIA 5 shots 44 Magnum SWCGC + 5 shots 9mm FMJ Pri. 865" .791934" 9.57 lbs./ft2 12x12" 60x96" Tinted glass, low iron glass, printed (spandrel and pattern screen printing including transparent mirror, bird friendly, insulating glass units (IGU), stranslucent interlayers. Please note some options may increase OA thickly transmission (VLT) Visible Light Solar Heat Gain Coefficient (SHGC) (BTU/hr*ft² * °F) 0.84 0.75 0.83 ASTM C1036 ASTM C1172 ANSI Z97.1/CPSC ASTM C1048 ASTM C1422 Isoclima Specialty Glass, LLC and Global Security Glazing products are corprogram that ensures one firm has handled and is accountable for all ph All glass should be installed in accordance with the guidelines set forth in Association of North America (GANA) Glazing and Sealant Manuals. Glaz weep system to allow moisture and water to escape the glazing channel Recommended Clearance: Face: 1/8" per side

















PRODUCT NAME:	5/16" SECUR-LITE UL			
PRODUCT CODE:	SL516U			
CONSTRUCTION:	This is a glass laminate, r	no exposed plastic (polyc	arbonate, PET, etc.). Ex	act Construction is Proprietary.
PERFORMANCE TESTING:	ASTM F1233-21 Class 2.3	3 Contraband, Class 3.3 B	ody	
	NIJ 0108.01 Level IIIA 5 s	hots 44 Magnum SWCG0	C + 5 shots 9mm FMJ Pr	otection
THICKNESS:	.3125"			
THICKNESS TOLERANCE:	.284334"			
WEIGHT:	3.69 lbs/ft2			
MINIMUM SIZE:	12x12"			
MAXIMUM SIZE:	60x96"			
OPTIONS:	including transparent mi	• • • • •	ting glass units (IGU), sv	g) glass, low-e glass, reflective glass witchable smart glass, tinted and ness.
TECHNICAL DATA:	Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest databas
	0.88	0.88	0.98	info available at the time
APPLICABLE STANDARDS:	ASTM C1036	ASTM C1172		C 16 CFR 1201 (Cat I & II Impact)
SINGLE RESPONSIBILITY:		LLC and Global Security (ne firm has handled and i	= :	vered by our Single Responsibility™ ases of manufacturing.
INSTALLATION:	Association of North Am		l Sealant Manuals. Glaz	n the current edition of the Glass ing systems should incorporate a
	l			
	Recommended Clearanc	e:		
	Recommended Clearanc Face: 1/8" per side			

















6U s a glass laminate,			
	no exposed plastic (polyc		
s a glass laminate,	no exposed plastic (polyc		
	no exposed plastic (polyc	arbonate, PET, etc.). Ex	act Construction is Proprietary.
1 F1233-21 Class 2	3 Contraband, Class 3.3 B	ody	
108.01 Level IIIA 5 s	shots 44 Magnum SWCGC	C + 5 shots 9mm FMJ Pr	otection
.480"			
l lbs./ft2			
2"			
6"			
ding transparent m	irror, bird friendly, insula	ting glass units (IGU), s	witchable smart glass, tinted and
Visible Light ansmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest databas
0.683	0.666	0.644	info available at the time
ASTM C1036	ASTM C1172	ANSI Z97.1/CPS0	16 CFR 1201 (Cat I & II Impact)
	· · · · · · · · · · · · · · · · · · ·	= -	
ciation of North Am	nerica (GANA) Glazing and	l Sealant Manuals. Glaz	ing systems should incorporate a
mmended Clearand	ce:		
· ·			
: 3/8"			
i	480" 4 lbs./ft2 2" 6" ed glass, low iron glading transparent mediucent interlayers. Visible Light transmission (VLT) 0.683 ASTM C1036 ima Specialty Glass, ram that ensures of lass should be instacted in the commended Clearance of lass system to allow meaning the commended Clearance of lass system to allow meaning the commended Clearance of lass should be instacted in the commended clearance of lass should be instacted in the commended clearance of lass should be instacted in the commended clearanc	480" 4 lbs./ft2 2" 6" ed glass, low iron glass, printed (spandrel and ding transparent mirror, bird friendly, insular slucent interlayers. Please note some options Visible Light Solar Heat Gain Coefficient (SHGC) 0.683 0.666 ASTM C1036 ASTM C1172 ima Specialty Glass, LLC and Global Security Gram that ensures one firm has handled and is assessment of North America (GANA) Glazing and a system to allow moisture and water to escaphamended Clearance:	480" 4 lbs./ft2 2" 6" ed glass, low iron glass, printed (spandrel and pattern screen printing ding transparent mirror, bird friendly, insulating glass units (IGU), so slucent interlayers. Please note some options may increase OA thickly Visible Light Solar Heat Gain U-Value (BTU/hr*ft² * °F) 0.683 0.666 0.644 ASTM C1036 ASTM C1172 ANSI Z97.1/CPSC dima Specialty Glass, LLC and Global Security Glazing products are corram that ensures one firm has handled and is accountable for all pherosephical products and system to allow moisture and water to escape the glazing channel commended Clearance:

















occurry and many				
PRODUCT NAME:	9/16" SECUR-LITE UL			
PRODUCT CODE:	SL916U			
CONSTRUCTION:	This is a glass laminate, r	no exposed plastic (polyc	arbonate, PET, etc.). Ex	act Construction is Proprietary.
PERFORMANCE TESTING:	ASTM F1233-21 Class 2.3	3 Contraband, Class 3.3 B	ody	
	NIJ 0108.01 Level IIIA 5 s	hots 44 Magnum SWCG0	C + 5 shots 9mm FMJ Pr	otection
THICKNESS:	.554"			
THICKNESS TOLERANCE:	.519587"			
WEIGHT:	7.05 lbs./ft2			
MINIMUM SIZE:	12x12"			
MAXIMUM SIZE:	60x96"			
		rror, bird friendly, insula	ting glass units (IGU), s	g) glass, low-e glass, reflective glass witchable smart glass, tinted and ness.
TECHNICAL DATA:	Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database
	0.86	0.81	0.93	info available at the time
APPLICABLE STANDARDS:	ASTM C1036	ASTM C1172	ANSI Z97.1/CPS	C 16 CFR 1201 (Cat I & II Impact)
SINGLE RESPONSIBILITY:	Isoclima Specialty Glass, Program that ensures or		= :	vered by our Single Responsibility™ ases of manufacturing.
INSTALLATION:	All glass should be installed in accordance with the guidelines set forth in the current edition of the Glass Association of North America (GANA) Glazing and Sealant Manuals. Glazing systems should incorporate a weep system to allow moisture and water to escape the glazing channel.			
	Recommended Clearanc	e:		
	Face: 1/8" per side			
	Edge: 3/8"			

















Security Glazing						
PRODUCT NAME:	SECUR-TEM 3					
PRODUCT CODE:	SM3					
CONSTRUCTION:	This is a glass laminate,	no exposed plastic (polyc	arbonate, PET, etc.). Exa	act Construction is Proprietary.		
PERFORMANCE TESTING:	ASTM F1233-21 Class 2.3	3 Contraband, Class 3.3 B	ody			
	NIJ 0108.01 Level IIIA 5	shots 44 Magnum SWCG	C + 5 shots 9mm FMJ Pro	otection		
THICKNESS:	.554"					
THICKNESS TOLERANCE:	.507600"					
WEIGHT:	5.938 lb./ft2					
MINIMUM SIZE:	12x12"					
MAXIMUM SIZE:	60x96"					
OPTIONS:	including transparent m		ting glass units (IGU), sv	g) glass, low-e glass, reflective glass witchable smart glass, tinted and ness.		
TECHNICAL DATA:	Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database		
	0.86	0.71	0.89	info available at the time		
APPLICABLE STANDARDS:	ASTM C1036	ASTM C1172	ANSI Z97.1/CPSC	16 CFR 1201 (Cat I & II Impact)		
	ASTM C1048	ASTM C1422				
SINGLE RESPONSIBILITY:		LLC and Global Security ne firm has handled and i	= :	vered by our Single Responsibility™ ases of manufacturing.		
INSTALLATION:	Association of North Am	nerica (GANA) Glazing and oisture and water to esc	d Sealant Manuals. Glazi	n the current edition of the Glass ing systems should incorporate a		
	Edge: 3/8" Bite: 1"					

















Security Glazing						
PRODUCT NAME:	SECUR-TEM 4	SECUR-TEM 4				
PRODUCT CODE:	SM4					
CONSTRUCTION:	This is a glass laminate, no exposed plastic (polycarbonate, PET, etc.). Exact Construction is Proprietary.					
PERFORMANCE TESTING:	ASTM F1233-21 Class 2.3	3 Contraband, Class 3.3 B	ody			
	NIJ 0108.01 Level IIIA 5 shots 44 Magnum SWCGC + 5 shots 9mm FMJ Protection					
THICKNESS:	.770"					
THICKNESS TOLERANCE:	.703833					
WEIGHT:	8.09 lbs/ft2					
MINIMUM SIZE:	12x12"	· ·				
MAXIMUM SIZE:	60x96"					
OPTIONS:	Tinted glass, low iron glass, printed (spandrel and pattern screen printing) glass, low-e glass, reflective glas including transparent mirror, bird friendly, insulating glass units (IGU), switchable smart glass, tinted and translucent interlayers. <i>Please note some options may increase OA thickness</i> .					
TECHNICAL DATA:	Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest databass		
	0.85	0.77	0.83	info available at the time		
APPLICABLE STANDARDS:	ASTM C1036	ASTM C1172	ANSI Z97.1/CPS0	C 16 CFR 1201 (Cat I & II Impact)		
ATTEICABLE STANDARDS.	ASTM C1048	ASTM C1422	,	, , ,		
SINGLE RESPONSIBILITY:	1 1	LLC and Global Security ne firm has handled and i	= :	vered by our Single Responsibility™ ases of manufacturing.		
INSTALLATION:	All glass should be installed in accordance with the guidelines set forth in the current edition of the Glass Association of North America (GANA) Glazing and Sealant Manuals. Glazing systems should incorporate a weep system to allow moisture and water to escape the glazing channel.					
	Recommended Clearance	e:				
	Edge: 3/8"					

















Security Glazing						
PRODUCT NAME:	SECUR-TEM 5	SECUR-TEM 5				
PRODUCT CODE:	SM5					
CONSTRUCTION:	This is a glass laminate, no exposed plastic (polycarbonate, PET, etc.). Exact Construction is Proprietary.					
PERFORMANCE TESTING:	ASTM F1233-21 Class 2.3	3 Contraband, Class 3.3 B	ody			
	NIJ 0108.01 Level IIIA 5 s	NIJ 0108.01 Level IIIA 5 shots 44 Magnum SWCGC + 5 shots 9mm FMJ Protection				
THICKNESS:	.985"					
THICKNESS TOLERANCE:	.899-1.066"					
WEIGHT:	10.23 lbs./ft2					
MINIMUM SIZE:	12x12"					
MAXIMUM SIZE:	60x96"	60x96"				
OPTIONS:	Tinted glass, low iron glass, printed (spandrel and pattern screen printing) glass, low-e glass, reflective glass including transparent mirror, bird friendly, insulating glass units (IGU), switchable smart glass, tinted and translucent interlayers. <i>Please note some options may increase OA thickness</i> .					
TECHNICAL DATA:	Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database		
	0.83	0.74	0.74	info available at the time		
APPLICABLE STANDARDS:	ASTM C1036	ASTM C1172	ANSI Z97.1/CPSC	C 16 CFR 1201 (Cat I & II Impact)		
	ASTM C1048	ASTM C1422				
SINGLE RESPONSIBILITY:	The state of the s	LLC and Global Security on the firm has handled and i		vered by our Single Responsibility™ ases of manufacturing.		
INSTALLATION:	All glass should be installed in accordance with the guidelines set forth in the current edition of the Glass Association of North America (GANA) Glazing and Sealant Manuals. Glazing systems should incorporate a weep system to allow moisture and water to escape the glazing channel.					
	Recommended Clearance	e:				
	Face: 1/8" per side					
	Face: 1/8" per side Edge: 3/8"	e				

















Security Glazing						
PRODUCT NAME:	SUPER SECUR-TEM 5					
PRODUCT CODE:	SSM5					
CONSTRUCTION:	This is a glass laminate, no exposed plastic (polycarbonate, PET, etc.). Exact Construction is Proprietary.					
PERFORMANCE TESTING:	ASTM F1233-21 Class 2.3	3 Contraband, Class 3.3 B	ody			
	NIJ 0108.01 Level IIIA 5	NIJ 0108.01 Level IIIA 5 shots 44 Magnum SWCGC + 5 shots 9mm FMJ Protection				
THICKNESS:	1.105"					
THICKNESS TOLERANCE:	1.007-1.198"					
WEIGHT:	10.91 lbs./ft2					
MINIMUM SIZE:	12x12"					
MAXIMUM SIZE:	60x96"					
		irror, bird friendly, insula Please note some options		vitchable smart glass, tinted and ness.		
TECHNICAL DATA:	Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database		
	0.83	0.74	0.73	info available at the time		
APPLICABLE STANDARDS:	ASTM C1036 ASTM C1048	ASTM C1172 ASTM C1422	ANSI Z97.1/CPSC	16 CFR 1201 (Cat I & II Impact)		
SINGLE RESPONSIBILITY:	Isoclima Specialty Glass, LLC and Global Security Glazing products are covered by our Single Responsibility™ Program that ensures one firm has handled and is accountable for all phases of manufacturing.					
INSTALLATION:	All glass should be installed in accordance with the guidelines set forth in the current edition of the Glass Association of North America (GANA) Glazing and Sealant Manuals. Glazing systems should incorporate a weep system to allow moisture and water to escape the glazing channel.					
		Recommended Clearance:				
	Recommended Clearance	ce:				
		-				
		-				

















UL LEVEL 8 - SECUR-TEM + POLY®				
DBP08				
This is a glass laminate, r	no exposed plastic (polyc	arbonate, PET, etc.). Ex	act Construction is Proprietary.	
ASTM F1233-21 Class 2.3	3 Contraband, Class 3.3 B	ody		
NIJ 0108.01 Level IIIA 5 s	hots 44 Magnum SWCGC	C + 5 shots 9mm FMJ Pr	otection	
2.398"				
2.225-2.570"				
26.92 lbs./ft2				
12x12"				
60x96"				
including transparent mirror, bird friendly, insulating glass units (IGU), switchable smart glass, tinted and translucent interlayers. <i>Please note some options may increase OA thickness</i> .				
Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database	
0.57	0.53	0.60	info available at the time	
ASTM C1036	ASTM C1349	ANSI Z97.1/CPSC	2 16 CFR 1201 (Cat I & II Impact)	
1 '	· · · · · · · · · · · · · · · · · · ·			
All glass should be installed in accordance with the guidelines set forth in the current edition of the Glass Association of North America (GANA) Glazing and Sealant Manuals. Glazing systems should incorporate a weep system to allow moisture and water to escape the glazing channel.				
Recommended Clearance	e:			
Recommended Clearanc				
Recommended Clearanc Face: 1/8" per side Edge: 3/8"				
	DBP08 This is a glass laminate, r ASTM F1233-21 Class 2.3 NIJ 0108.01 Level IIIA 5 s 2.398" 2.225-2.570" 26.92 lbs./ft2 12x12" 60x96" Tinted glass, low iron glatincluding transparent mitranslucent interlayers. I Visible Light Transmission (VLT) 0.57 ASTM C1036 Isoclima Specialty Glass, Program that ensures or All glass should be instal Association of North Am	DBP08 This is a glass laminate, no exposed plastic (polyce ASTM F1233-21 Class 2.3 Contraband, Class 3.3 B NIJ 0108.01 Level IIIA 5 shots 44 Magnum SWCGC 2.398" 2.225-2.570" 26.92 lbs./ft2 12x12" 60x96" Tinted glass, low iron glass, printed (spandrel and including transparent mirror, bird friendly, insular translucent interlayers. Please note some options Visible Light Transmission (VLT) Coefficient (SHGC) 0.57 0.53 ASTM C1036 ASTM C1349 Isoclima Specialty Glass, LLC and Global Security Cells of the program that ensures one firm has handled and in the Association of North America (GANA) Glazing and the contraction of North A	This is a glass laminate, no exposed plastic (polycarbonate, PET, etc.). Ex. ASTM F1233-21 Class 2.3 Contraband, Class 3.3 Body NIJ 0108.01 Level IIIA 5 shots 44 Magnum SWCGC + 5 shots 9mm FMJ Proceedings of the process of the pr	

















Security Glazing						
PRODUCT NAME:	UL LEVEL 1 - SECUR-TEM + POLY®					
PRODUCT CODE:	SP188	SP188				
CONSTRUCTION:	This is a glass laminate, r	no exposed plastic (polyc	arbonate, PET, etc.). Ex	act Construction is Proprietary.		
PERFORMANCE TESTING:	ASTM F1233-21 Class 2.3	3 Contraband, Class 3.3 B	ody			
	NIJ 0108.01 Level IIIA 5 s	hots 44 Magnum SWCG(C + 5 shots 9mm FMJ Pr	otection		
THICKNESS:	.861"					
THICKNESS TOLERANCE:	.797923"					
WEIGHT:	9.65 lbs./ft2					
MINIMUM SIZE:	12x12"					
MAXIMUM SIZE:	60x96"					
OPTIONS:	Tinted glass, low iron glass, printed (spandrel and pattern screen printing) glass, low-e glass, reflective glass including transparent mirror, bird friendly, insulating glass units (IGU), switchable smart glass, tinted and translucent interlayers. <i>Please note some options may increase OA thickness</i> .					
TECHNICAL DATA:	Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database		
	0.77	0.64	0.84	info available at the time		
APPLICABLE STANDARDS:	ASTM C1036	ASTM C1349	ANSI Z97.1/CPSC	2 16 CFR 1201 (Cat I & II Impact)		
SINGLE RESPONSIBILITY:	Isoclima Specialty Glass, Program that ensures or			vered by our Single Responsibility™ ases of manufacturing.		
INSTALLATION:	All glass should be installed in accordance with the guidelines set forth in the current edition of the Glass Association of North America (GANA) Glazing and Sealant Manuals. Glazing systems should incorporate a weep system to allow moisture and water to escape the glazing channel.					
	Recommended Clearanc	e:				
	Recommended Clearanc Face: 1/8" per side					
	Recommended Clearanc Face: 1/8" per side Edge: 3/8"					

















Security Glazing					
PRODUCT NAME:	UL LEVEL 2 - SECUR-TEM + POLY®				
PRODUCT CODE:	SP293				
CONSTRUCTION:	This is a glass laminate, r	no exposed plastic (polyc	arbonate, PET, etc.). Exa	nct Construction is Proprietary.	
PERFORMANCE TESTING:	ASTM F1233-21 Class 2.3	3 Contraband, Class 3.3 B	ody		
	NIJ 0108.01 Level IIIA 5 s	hots 44 Magnum SWCG0	C + 5 shots 9mm FMJ Pro	otection	
THICKNESS:	.952"				
THICKNESS TOLERANCE:	.884-1.02"				
WEIGHT:	11.11 lbs./ft2				
MINIMUM SIZE:	12x12"				
MAXIMUM SIZE:	60x96"				
OPTIONS:	Tinted glass, low iron glass, printed (spandrel and pattern screen printing) glass, low-e glass, reflective glass including transparent mirror, bird friendly, insulating glass units (IGU), switchable smart glass, tinted and translucent interlayers. <i>Please note some options may increase OA thickness</i> .				
TECHNICAL DATA:	Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database	
	0.78	0.63	0.84	info available at the time	
APPLICABLE STANDARDS:	ASTM C1036	ASTM C1349	ANSI Z97.1/CPSC	16 CFR 1201 (Cat I & II Impact)	
SINGLE RESPONSIBILITY:	Isoclima Specialty Glass, Program that ensures or			vered by our Single Responsibility™ ases of manufacturing.	
INSTALLATION:		erica (GANA) Glazing and oisture and water to esca	l Sealant Manuals. Glazi	the current edition of the Glass ng systems should incorporate a	
	Edge: 3/8"				
	Bite: 1"				

















Security Glazing					
PRODUCT NAME:	UL LEVEL 3 - SECUR-TEM + POLY®				
PRODUCT CODE:	SP311				
CONSTRUCTION:	This is a glass laminate, I	no exposed plastic (polyc	arbonate, PET, etc.). Exa	act Construction is Proprietary.	
PERFORMANCE TESTING:		3 Contraband, Class 3.3 B	•		
		shots 44 Magnum SWCG0	C + 5 shots 9mm FMJ Pro	ptection	
THICKNESS:	1.072"				
THICKNESS TOLERANCE:	.998-1.145"				
WEIGHT:	12.81 lbs./ft2				
MINIMUM SIZE:	12x12"				
MAXIMUM SIZE:	60x96"				
OPTIONS:	including transparent m		ting glass units (IGU), sw	a) glass, low-e glass, reflective glass witchable smart glass, tinted and ness.	
TECHNICAL DATA:	Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database	
	0.77	0.62	0.83	info available at the time	
APPLICABLE STANDARDS:	ASTM C1036	ASTM C1349	ANSI Z97.1/CPSC	16 CFR 1201 (Cat I & II Impact)	
SINGLE RESPONSIBILITY:	The state of the s	LLC and Global Security ne firm has handled and i	= :	vered by our Single Responsibility™ ases of manufacturing.	
INSTALLATION:	All glass should be installed in accordance with the guidelines set forth in the current edition of the Glass Association of North America (GANA) Glazing and Sealant Manuals. Glazing systems should incorporate a weep system to allow moisture and water to escape the glazing channel.				
	Recommended Clearance	e:			
	Face: 1/8" per side				
	Edge: 3/8"	<u> </u>			
	Bite: 1"				
	DICC. T				

















PRODUCT NAME:	UL LEVEL 4 - SECUR-TEM + POLY®					
PRODUCT CODE:	SP412	SP412				
CONSTRUCTION:	This is a glass laminate, r	no exposed plastic (polyc	arbonate, PET, etc.). Exa	act Construction is Proprietary.		
PERFORMANCE TESTING:	ASTM F1233-21 Class 2.3	3 Contraband, Class 3.3 B	ody			
	NIJ 0108.01 Level IIIA 5 s	hots 44 Magnum SWCG0	C + 5 shots 9mm FMJ Pro	otection		
THICKNESS:	1.22"					
THICKNESS TOLERANCE:	1.13-1.31"					
WEIGHT:	14.5 lbs./ft2					
MINIMUM SIZE:	12x12"					
MAXIMUM SIZE:	60x96"					
	including transparent mi translucent interlayers. I	•	may increase OA thickr	vitchable smart glass, tinted and ness.		
TECHNICAL DATA:	Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database		
	0.75	0.60	0.81	info available at the time		
APPLICABLE STANDARDS:	ASTM C1036 ASTM C1349 ANSI Z97.1/CPSC 16 CFR 1201 (Cat I & II Impact)					
SINGLE RESPONSIBILITY:	Isoclima Specialty Glass, Program that ensures or		= :	vered by our Single Responsibility™ ases of manufacturing.		
	Program that ensures or All glass should be instal	ne firm has handled and i led in accordance with the erica (GANA) Glazing and	s accountable for all phases se guidelines set forth in I Sealant Manuals. Glazi	ases of manufacturing. In the current edition of the Glassing systems should incorporate a		
	Program that ensures or All glass should be instal Association of North Am	ne firm has handled and i led in accordance with the erica (GANA) Glazing and oisture and water to esca	s accountable for all phases se guidelines set forth in I Sealant Manuals. Glazi	ases of manufacturing. In the current edition of the Glassing systems should incorporate a		
	All glass should be instal Association of North Am weep system to allow m	ne firm has handled and in led in accordance with the erica (GANA) Glazing and oisture and water to esca	s accountable for all phases se guidelines set forth in I Sealant Manuals. Glazi	ases of manufacturing. In the current edition of the Glassing systems should incorporate a		
SINGLE RESPONSIBILITY:	All glass should be instal Association of North Am weep system to allow m	ne firm has handled and in led in accordance with the erica (GANA) Glazing and oisture and water to esca	s accountable for all phases se guidelines set forth in I Sealant Manuals. Glazi	ases of manufacturing. In the current edition of the Glassing systems should incorporate a		

















cooning analing						
PRODUCT NAME:	UL LEVEL 5 - SECUR-TEM + POLY®					
PRODUCT CODE:	SP513					
CONSTRUCTION:	This is a glass laminate, r	This is a glass laminate, no exposed plastic (polycarbonate, PET, etc.). Exact Construction is Proprietary.				
PERFORMANCE TESTING:	ASTM F1233-21 Class 2.3	3 Contraband, Class 3.3 B	ody			
	NIJ 0108.01 Level IIIA 5 s	hots 44 Magnum SWCG0	C + 5 shots 9mm FMJ Pr	otection		
THICKNESS:	1.372"					
THICKNESS TOLERANCE:	1.272-1.471"					
WEIGHT:	16.09 lbs./ft2					
MINIMUM SIZE:	12x12"					
MAXIMUM SIZE:	60x96"					
OPTIONS:	Tinted glass, low iron glass, printed (spandrel and pattern screen printing) glass, low-e glass, reflective glass including transparent mirror, bird friendly, insulating glass units (IGU), switchable smart glass, tinted and translucent interlayers. <i>Please note some options may increase OA thickness</i> .					
TECHNICAL DATA:	Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database		
	0.74	0.59	0.8	info available at the time		
APPLICABLE STANDARDS:	ASTM C1036	ASTM C1349	ANSI Z97.1/CPS0	C 16 CFR 1201 (Cat I & II Impact)		
SINGLE RESPONSIBILITY:	Isoclima Specialty Glass, Program that ensures or		= :	vered by our Single Responsibility™ ases of manufacturing.		
INSTALLATION:	All glass should be installed in accordance with the guidelines set forth in the current edition of the Glass Association of North America (GANA) Glazing and Sealant Manuals. Glazing systems should incorporate a weep system to allow moisture and water to escape the glazing channel.					
	Recommended Clearanc	e:				
	Face: 1/8" per side	e				
	Edge: 3/8"					

















Security Glazing						
PRODUCT NAME:	UL LEVEL 7 - SECUR-TEM + POLY®					
PRODUCT CODE:	SP719					
CONSTRUCTION:	This is a glass laminate,	This is a glass laminate, no exposed plastic (polycarbonate, PET, etc.). Exact Construction is Proprietary.				
PERFORMANCE TESTING:	ASTM F1233-21 Class 2.3 Contraband, Class 3.3 Body NIJ 0108.01 Level IIIA 5 shots 44 Magnum SWCGC + 5 shots 9mm FMJ Protection					
THICKNESS:	1.932"					
THICKNESS TOLERANCE:	1.799-2.065"					
WEIGHT:	23.952 lbs./ft2					
MINIMUM SIZE:	12x12"					
MAXIMUM SIZE:	60x96"					
OPTIONS:	Tinted glass, low iron glass, printed (spandrel and pattern screen printing) glass, low-e glass, reflective glass including transparent mirror, bird friendly, insulating glass units (IGU), switchable smart glass, tinted and translucent interlayers. <i>Please note some options may increase OA thickness</i> .					
TECHNICAL DATA:	Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database info available at the time		
	0.69	0.54	0.73	injo avanable at the time		
APPLICABLE STANDARDS:	ASTM C1036	ASTM C1349	ANSI Z97.1/CPSC	16 CFR 1201 (Cat I & II Impact)		
SINGLE RESPONSIBILITY:		LLC and Global Security one firm has handled and i	• .	rered by our Single Responsibility™ ases of manufacturing.		
INSTALLATION:	Association of North Am weep system to allow m	erica (GANA) Glazing and oisture and water to escand	l Sealant Manuals. Glazi	the current edition of the Glass ng systems should incorporate a		
	Face: 1/8" per sid	e				
	Edge: 3/8"					
	Bite: 1"					

















Security Glazing						
PRODUCT NAME:	SECUR-TEM + POLY®2114					
PRODUCT CODE:	2114					
CONSTRUCTION:	This is a glass laminate, no exposed plastic (polycarbonate, PET, etc.). Exact Construction is Proprietary.					
PERFORMANCE TESTING:	ASTM F1233-21 Class 2.3	STM F1233-21 Class 2.3 Contraband, Class 3.3 Body				
	NIJ 0108.01 Level IIIA 5 shots 44 Magnum SWCGC + 5 shots 9mm FMJ Protection					
THICKNESS:	.856"					
THICKNESS TOLERANCE:	.776936"					
WEIGHT:	7.0 lbs./ft2					
MINIMUM SIZE:	12x12"					
MAXIMUM SIZE:	60x96"					
		irror, bird friendly, insula Please note some options		witchable smart glass, tinted and ness.		
TECHNICAL DATA:	Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest databas		
	0.69	0.80	0.70	info available at the time		
APPLICABLE STANDARDS:	ASTM C1036 ASTM C1048	ASTM C1349 ASTM C1422	ANSI Z97.1/CPS0	C 16 CFR 1201 (Cat I & II Impact)		
SINGLE RESPONSIBILITY:	Isoclima Specialty Glass, LLC and Global Security Glazing products are covered by our Single Responsibility™ Program that ensures one firm has handled and is accountable for all phases of manufacturing.					
INSTALLATION:	Association of North Am weep system to allow m	erica (GANA) Glazing and oisture and water to esca	Sealant Manuals. Glaz	n the current edition of the Glass ing systems should incorporate a		
	Recommended Clearance					
	Face: 1/8" per sid	e				
	Edge: 3/8"					
	Bite: 1"					

















Security Glazing					
PRODUCT NAME:	SECUR-TEM + POLY® 2115				
PRODUCT CODE:	2115				
CONSTRUCTION:	This is a glass laminate, no exposed plastic (polycarbonate, PET, etc.). Exact Construction is Proprietary.				
PERFORMANCE TESTING:	ASTM F1233-21 Class 2.3	3 Contraband, Class 3.3 B	ody		
	NIJ 0108.01 Level IIIA 5 shots 44 Magnum SWCGC + 5 shots 9mm FMJ Protection				
THICKNESS:	.754"				
THICKNESS TOLERANCE:	.684824"				
WEIGHT:	6.3 lbs./ft2				
MINIMUM SIZE:	12x12"				
MAXIMUM SIZE:	60x96"				
OPTIONS:	Tinted glass, low iron glass, printed (spandrel and pattern screen printing) glass, low-e glass, reflective glass including transparent mirror, bird friendly, insulating glass units (IGU), switchable smart glass, tinted and translucent interlayers. <i>Please note some options may increase OA thickness</i> .				
TECHNICAL DATA:	Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database	
	0.73	0.81	0.74	info available at the time	
APPLICABLE STANDARDS:	ASTM C1036 ASTM C1048	ASTM C1349 ASTM C1422	ANSI Z97.1/CPSC	C 16 CFR 1201 (Cat I & II Impact)	
SINGLE RESPONSIBILITY:	Isoclima Specialty Glass, LLC and Global Security Glazing products are covered by our Single Responsibility™ Program that ensures one firm has handled and is accountable for all phases of manufacturing.				
INSTALLATION:	All glass should be installed in accordance with the guidelines set forth in the current edition of the Glass Association of North America (GANA) Glazing and Sealant Manuals. Glazing systems should incorporate a weep system to allow moisture and water to escape the glazing channel.				
	Recommended Clearance	e:			
	Face: 1/8" per side	e			
	Edge: 3/8"				

















Security Glazing					
PRODUCT NAME:	SECUR-TEM + POLY®	2116			
PRODUCT CODE:	2116				
CONSTRUCTION:	This is a glass laminate, no exposed plastic (polycarbonate, PET, etc.). Exact Construction is Proprietary.				
PERFORMANCE TESTING:	ASTM F1233-21 Class 2.3 Contraband, Class 3.3 Body NIJ 0108.01 Level IIIA 5 shots 44 Magnum SWCGC + 5 shots 9mm FMJ Protection				
THICKNESS:	.7245"				
THICKNESS TOLERANCE:	.658791"				
WEIGHT:	6.2 lbs./ft2				
MINIMUM SIZE:	12x12"				
MAXIMUM SIZE:	60x96"				
OPTIONS:	Tinted glass, low iron glass, printed (spandrel and pattern screen printing) glass, low-e glass, reflective glass including transparent mirror, bird friendly, insulating glass units (IGU), switchable smart glass, tinted and translucent interlayers. <i>Please note some options may increase OA thickness</i> .				
TECHNICAL DATA:	Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database	
	0.73	0.80	0.76	info available at the time	
APPLICABLE STANDARDS:	ASTM C1036 ASTM C1048	ASTM C1349 ASTM C1422	ANSI Z97.1/CPSC	16 CFR 1201 (Cat I & II Impact)	
SINGLE RESPONSIBILITY:	1 1	LLC and Global Security on the firm has handled and i	= :	rered by our Single Responsibility™ ases of manufacturing.	
INSTALLATION:	All glass should be installed in accordance with the guidelines set forth in the current edition of the Glass Association of North America (GANA) Glazing and Sealant Manuals. Glazing systems should incorporate a weep system to allow moisture and water to escape the glazing channel.				
	Recommended Clearance:				
	Face: 1/8" per side	e			
	Edge: 3/8"				
	Bite: 1"				

















Security Glazing					
PRODUCT NAME:	SECUR-TEM + POLY® 2117				
PRODUCT CODE:	2117				
CONSTRUCTION:	This is a glass laminate, no exposed plastic (polycarbonate, PET, etc.). Exact Construction is Proprietary.				
PERFORMANCE TESTING:	ASTM F1233-21 Class 2.3 Contraband, Class 3.3 Body NIJ 0108.01 Level IIIA 5 shots 44 Magnum SWCGC + 5 shots 9mm FMJ Protection				
THICKNESS:	.569"				
THICKNESS TOLERANCE:	.518620"				
WEIGHT:	5.22 lbs./ft2				
MINIMUM SIZE:	12x12"				
MAXIMUM SIZE:	60x96"				
OPTIONS:	Tinted glass, low iron glass, printed (spandrel and pattern screen printing) glass, low-e glass, reflective gla including transparent mirror, bird friendly, insulating glass units (IGU), switchable smart glass, tinted and translucent interlayers. <i>Please note some options may increase OA thickness</i> .				
TECHNICAL DATA:	Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database	
	0.77	0.83	0.82	info available at the time	
APPLICABLE STANDARDS:	ASTM C1036 ASTM C1048	ASTM C1349 ASTM C1422	ANSI Z97.1/CPSC 16 CFR 1201 (Cat I & II Impact)		
SINGLE RESPONSIBILITY:	Isoclima Specialty Glass, LLC and Global Security Glazing products are covered by our Single Responsibility™ Program that ensures one firm has handled and is accountable for all phases of manufacturing.				
INSTALLATION:	Association of North Am weep system to allow m	nerica (GANA) Glazing and oisture and water to esca	l Sealant Manuals. Glaz	n the current edition of the Glass ing systems should incorporate a	
	Recommended Clearance:				
	Face: 1/8" per sid	e			
	Edge: 3/8"				
	Bite: 1"				

















PRODUCT NAME:	SECUR-TEM + POLY® 2119				
PRODUCT CODE:	2119				
CONSTRUCTION:	This is a glass laminate, no exposed plastic (polycarbonate, PET, etc.). Exact Construction is Proprietary.				
PERFORMANCE TESTING:	ASTM F1233-21 Class 2.3	3 Contraband, Class 3.3 B	ody		
	NIJ 0108.01 Level IIIA 5 shots 44 Magnum SWCGC + 5 shots 9mm FMJ Protection				
THICKNESS:	.467"				
THICKNESS TOLERANCE:	.426508"				
WEIGHT:	4.58 lbs./ft2				
MINIMUM SIZE:	12x12"				
MAXIMUM SIZE:	60x96"				
OPTIONS:	Tinted glass, low iron glass, printed (spandrel and pattern screen printing) glass, low-e glass, reflective glass including transparent mirror, bird friendly, insulating glass units (IGU), switchable smart glass, tinted and translucent interlayers. <i>Please note some options may increase OA thickness</i> .				
TECHNICAL DATA:	Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database	
	382	0.84	0.88	info available at the time	
APPLICABLE STANDARDS:	ASTM C1036 ASTM C1048	ASTM C1349 ASTM C1422	ANSI Z97.1/CPS0	C 16 CFR 1201 (Cat I & II Impact)	
SINGLE RESPONSIBILITY:	Isoclima Specialty Glass, LLC and Global Security Glazing products are covered by our Single Responsibility™ Program that ensures one firm has handled and is accountable for all phases of manufacturing.				
INSTALLATION:	Association of North Am		l Sealant Manuals. Glaz	n the current edition of the Glass ing systems should incorporate a	
	Recommended Clearance:				
	Face: 1/8" per side	e			
	Edge: 3/8"				
	_ugc. 5/6				

















PRODUCT NAME:	9/16" PSYCH-2118				
PRODUCT CODE:	PSYCH2118				
CONSTRUCTION:	This is a glass laminate, no exposed plastic (polycarbonate, PET, etc.). Exact Construction is Proprietary.				
PERFORMANCE TESTING:	ASTM F1233-21 Class 2.3	3 Contraband, Class 3.3 B	ody		
	NIJ 0108.01 Level IIIA 5 shots 44 Magnum SWCGC + 5 shots 9mm FMJ Protection				
THICKNESS:	.527"				
THICKNESS TOLERANCE:	.479573"				
WEIGHT:	4.95 lbs./ft2				
MINIMUM SIZE:	12x12"				
MAXIMUM SIZE:	60x96"				
OPTIONS:	Tinted glass, low iron glass, printed (spandrel and pattern screen printing) glass, low-e glass, reflective g including transparent mirror, bird friendly, insulating glass units (IGU), switchable smart glass, tinted and translucent interlayers. <i>Please note some options may increase OA thickness</i> .				
TECHNICAL DATA:	Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database	
	0.82	0.73	0.84	info available at the time	
APPLICABLE STANDARDS:	ASTM C1036	ASTM C1349	ANSI Z97.1/CPSC	C 16 CFR 1201 (Cat I & II Impact)	
	ASTM C1048	ASTM C1422			
SINGLE RESPONSIBILITY:	The state of the s	LLC and Global Security (ne firm has handled and i	= :	vered by our Single Responsibility™ ases of manufacturing.	
INSTALLATION:	All glass should be installed in accordance with the guidelines set forth in the current edition of the Glass Association of North America (GANA) Glazing and Sealant Manuals. Glazing systems should incorporate a weep system to allow moisture and water to escape the glazing channel.				
	weep system to allow m	oisture and water to esca	ape the glazing channel		
			pe the glazing channel		
	Recommended Clearance	e:	pe the glazing channel		
		e:	pe the glazing channel	•	

















Security Glazing					
PRODUCT NAME:	SECUR-TEM + POLY® SP019				
PRODUCT CODE:	SP019				
CONSTRUCTION:	This is a glass laminate, no exposed plastic (polycarbonate, PET, etc.). Exact Construction is Proprietary.				
PERFORMANCE TESTING:	ASTM F1233-21 Class 2.3	3 Contraband, Class 3.3 B	ody		
	NIJ 0108.01 Level IIIA 5 s	hots 44 Magnum SWCGC	: + 5 shots 9mm FMJ Pr	otection	
THICKNESS:	.7125"				
THICKNESS TOLERANCE:	.647778"				
WEIGHT:	6.1 lbs./ft2				
MINIMUM SIZE:	12x12"				
MAXIMUM SIZE:	60x96"				
	Tinted glass, low iron glass, printed (spandrel and pattern screen printing) glass, low-e glass, reflective including transparent mirror, bird friendly, insulating glass units (IGU), switchable smart glass, tinted a translucent interlayers. <i>Please note some options may increase OA thickness</i> .				
TECHNICAL DATA:	Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database	
	0.73	0.81	0.75	info available at the time	
APPLICABLE STANDARDS:	ASTM C1036 ASTM C1048	ASTM C1349 ASTM C1422	ANSI Z97.1/CPS0	C 16 CFR 1201 (Cat I & II Impact)	
SINGLE RESPONSIBILITY:	Isoclima Specialty Glass, LLC and Global Security Glazing products are covered by our Single Responsibility™ Program that ensures one firm has handled and is accountable for all phases of manufacturing.				
INSTALLATION:	All glass should be installed in accordance with the guidelines set forth in the current edition of the Glass Association of North America (GANA) Glazing and Sealant Manuals. Glazing systems should incorporate a weep system to allow moisture and water to escape the glazing channel.				
	Recommended Clearance:				
	Face: 1/8" per side	e			
	Edge: 3/8"				
	Bite: 1"				

















Security Glazing					
PRODUCT NAME:	SECUR-TEM + POLY® SP028				
PRODUCT CODE:	SP028				
CONSTRUCTION:	This is a glass laminate, no exposed plastic (polycarbonate, PET, etc.). Exact Construction is Proprietary.				
PERFORMANCE TESTING:	ASTM F1233-21 Class 2.3	3 Contraband, Class 3.3 E	ody		
	NIJ 0108.01 Level IIIA 5 shots 44 Magnum SWCGC + 5 shots 9mm FMJ Protection				
THICKNESS:	.970"				
THICKNESS TOLERANCE:	.880-1.06"				
WEIGHT:	7.70 lbs./ft2				
MINIMUM SIZE:	12x12"				
MAXIMUM SIZE:	60x96"				
OPTIONS:	Tinted glass, low iron glass, printed (spandrel and pattern screen printing) glass, low-e glass, reflective glass including transparent mirror, bird friendly, insulating glass units (IGU), switchable smart glass, tinted and translucent interlayers. <i>Please note some options may increase OA thickness</i> .				
TECHNICAL DATA:	Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBN Window & Optics Software with the latest datab info available at the time	
	0.67	0.80	0.67		
APPLICABLE STANDARDS:	ASTM C1036	ASTM C1349	ANSI Z97.1/CPSC	: 16 CFR 1201 (Cat I & II Impact)	
	ASTM C1048	ASTM C1422			
SINGLE RESPONSIBILITY:	Isoclima Specialty Glass, LLC and Global Security Glazing products are covered by our Single Responsibility™ Program that ensures one firm has handled and is accountable for all phases of manufacturing.				
INSTALLATION:	Association of North Am weep system to allow m Recommended Clearance Face: 1/8" per sid Edge: 3/8"	nerica (GANA) Glazing and oisture and water to esc	d Sealant Manuals. Glazi	n the current edition of the Glass ing systems should incorporate a	
	Bite: 1"				

















Security Glazing					
PRODUCT NAME:	SECUR-TEM + POLY® SP035				
PRODUCT CODE:	SP035				
CONSTRUCTION:	This is a glass laminate, no exposed plastic (polycarbonate, PET, etc.). Exact Construction is Proprietary.				
PERFORMANCE TESTING:	ASTM F1233-21 Class 2.3	3 Contraband, Class 3.3 B	ody		
	NIJ 0108.01 Level IIIA 5 shots 44 Magnum SWCGC + 5 shots 9mm FMJ Protection				
THICKNESS:	1.223"				
THICKNESS TOLERANCE:	1.124-1.327"				
WEIGHT:	11.2 lbs./ft2				
MINIMUM SIZE:	12x12"				
MAXIMUM SIZE:	60x96"				
	including transparent mirror, bird friendly, insulating glass units (IGU), switchable smart glass, tinted and translucent interlayers. <i>Please note some options may increase OA thickness</i> .				
TECHNICAL DATA:	Visible Light Transmission (VLT)	Solar Heat Gain Coefficient (SHGC)	U-Value (BTU/hr*ft² * °F)	*Transmittance values are calculated using LBNL Window & Optics Software with the latest database	
	0.65	0.75	0.64	info available at the time	
APPLICABLE STANDARDS:	ASTM C1036 ASTM C1048	ASTM C1349 ASTM C1422	ANSI Z97.1/CPSC	16 CFR 1201 (Cat I & II Impact)	
SINGLE RESPONSIBILITY:	Isoclima Specialty Glass, LLC and Global Security Glazing products are covered by our Single Responsibility™ Program that ensures one firm has handled and is accountable for all phases of manufacturing.				
		ie iiii iida iidiidied diid i	s decountable for all pile	ases of manufacturing.	
INSTALLATION:	Association of North Am	led in accordance with th	ne guidelines set forth ir I Sealant Manuals. Glazi	the current edition of the Glass ng systems should incorporate a	
INSTALLATION:	Association of North Am	led in accordance with the lerica (GANA) Glazing and oisture and water to esca	ne guidelines set forth ir I Sealant Manuals. Glazi	the current edition of the Glass ng systems should incorporate a	
INSTALLATION:	Association of North Am weep system to allow m	led in accordance with the erica (GANA) Glazing and oisture and water to esca	ne guidelines set forth ir I Sealant Manuals. Glazi	the current edition of the Glass ng systems should incorporate a	
INSTALLATION:	Association of North Am weep system to allow m	led in accordance with the erica (GANA) Glazing and oisture and water to esca	ne guidelines set forth ir I Sealant Manuals. Glazi	the current edition of the Glass ng systems should incorporate a	















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