**SPECIFICATION SHEETS**

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**ISOCLIMA**  
*Specialty Glass, LLC* 🇺🇸  
**Global**  
*Security Glazing*

May 23, 2025

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| **PRODUCT NAME:** | 3/8" Clear Visiongard-X™ Privacy Glazing |
| **PRODUCT CODE:** | VGX-375 |
| **PERFORMANCE TESTING:** | **Privacy Control:** Directional Vision Control - Polarized Technology Visual Isolation between opposing privacy areas |
| **CONSTRUCTION:** | 3/16" Clear  Polarized Privacy Interlayer 3/16" Clear |
| **THICKNESS:** | 3/8" Nominal (.375") |
| **MAXIMUM SIZE:** | 56" x 56" for matched pairs Individual panels may be larger when paired with smaller opposing panel |
| **OPTIONS:** | Custom sizes within maximum dimensions **Assembly Options:** Can be incorporated into impact-resistant and security glazing assemblies |
| **SINGLE RESPONSIBILITY:** | 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:** | **System Requirements:** Visiongard-X™ requires installation of at least TWO opposing panels to achieve proper privacy function. Single panel installations will not provide intended privacy benefits.  **Orientation:** Polarization orientation must be perpendicular between opposing panels. Factory marking indicates proper alignment.  **Lighting Requirements:** Avoid excessive lighting differentials between the viewing area and privacy areas. Light levels should ideally be equal or higher in the viewing area compared to the privacy areas.  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: 1/4" Bite: 1" |

**DETENTION FACILITY APPLICATIONS**

* **Cell-to-Cell Privacy:** Prevents visual contact between inmates in opposing privacy areas while allowing staff observation from viewing areas
* **Administrative Areas:** Provides privacy for sensitive operations while maintaining safety sight lines
* **Interview Rooms:** Creates controlled visual environments for confidential meetings
* **Medical Areas:** Ensures patient privacy during examinations and treatment
* **Visiting Areas:** Controls visual access while maintaining communication capabilities

**DESIGN CONSIDERATIONS**

* **System Integration:** Visiongard-X™ is typically incorporated into larger security glazing assemblies offering additional benefits such as impact resistance
* **Minimum Installation:** Two opposing panels required for privacy function
* **Panel Sizing:** Matched pairs limited to 56" x 56" maximum, though individual panels may be larger when paired with smaller opposing panels
* **Panel Alignment:** Factory markings must be followed for proper polarization alignment
* **Lighting Design:** Avoid excessive lighting differentials between viewing area and privacy areas. Viewing area should have equal or higher light levels than privacy areas
* **Maintenance:** Clean with standard glass cleaners. Do not use abrasives or acid-based cleaners

**IMPORTANT INSTALLATION NOTE:** Unlike traditional one-way mirrors that rely on lighting differentials, Visiongard-X™ uses polarized technology that requires specific panel orientation. Consult factory technical support for complex installations or non-standard configurations.

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