

CERAMIC FRIT SILKSCREEN FROM ISOCLIMA SPECIALTY GLASS

Isoclimate Specialty Glass offers a complete line of custom and standard screen-printed designs using ceramic frit. Our ceramic frit patterns are applied to heat strengthened or tempered glass.

APPLICATIONS:

Highly durable exterior glass product for overhead glazing, spandrel and partition applications promoting glare mitigation. Interior use for decorative and safety markings on office cubicles, railings, and walkable frit for stairs, skylights, and floors.

PATTERNS:

Custom or standard screen-printed designs. Each design takes a separate screen, standard patterns carry a reduced screen charge, and custom designs are available with full screen charge. Maximum mesh size 200. Pattern listing available upon request. For custom patterns, customer should submit camera ready artwork.

Standard Screens:

- 1/8" dots 40% coverage.
- 1/4" dots 40% coverage
- 1/8" holes 60% coverage
- 1/4" dots 60% coverage.
- 1/8" lines, 1/4" lines, 1/2" lines, all 50% coverage

COLORS:

Isoclimate provides a wide range of standard colors including:

- Black
- White
- Etch
- Lava Bronze
- Solar Bronze
- Solar Grey
- Warm Grey
- Graphite
- Smoke
- Charcoal

SURFACES:

Ceramic frit is applied to the #2, 3, or 4 surface. Other surfaces are subject to review. Silkscreen ceramic frit should be viewed from a distance of 10 ft. under natural daylight conditions.





COATING TOLERANCE & VARIATIONS:

Pinholes: if detected at 10 ft. must be 1/16" or less. Color and hue may vary slightly due to paint thickness variations. Pattern orientation: patterns may be off parallel by 1/8" from any edge.

Pattern definition: an indefinite print border of 1/8" is acceptable pattern registry:

Max Variation of 1/8" in dot, line or hole location is acceptable. Roll coat ceramic frit: view roll coat/spandrel glass from a distance of 15 ft under natural daylight conditions.

Spandrel glass shall not be back lit for inspection. Color and reflectance may vary when viewed using a uniform, opaque background, this is not a reason for rejection.

Reflective pinholes and scratches are not considered defects if they are not unobtrusive.



MAXIMUM SIZE:

72" x 120"

MINIMUM SIZE:

14" x 18"

WARRANTY:

The standard warranty period for this product is five years. This warranty offers protection against loss of adhesion and significant color change under normal weathering conditions.

SAMPLES:

Standard colors available at no charge or a charge depending on the project size. Standard size 12" x 12". Larger sizes or mockups available at nominal charges.

CERTIFICATION:

The screen-printed ceramic frit glass complies with the quality requirements Q3 of ASTM 1036, standard specification for flat glass. When glass is heat treated, the glass Complies with ASTM 1048, standard for heat treated flat glass- kind ft coated and Uncoated glass.

GLASS THICKNESS:

1/8" to 1/2"

EDGEWORK:

Standard edge is a swiped or seamed edge; allowable defects up to 3/16" from edge Include oysters, flairs, and slight chips.

LIMITATIONS:

Screen printed ceramic frit is not intended for 4-sided structurally glazed applications, without prior sales approval. For glass having exposed edges (not captured), Isoclima Specialty Glass must edge delete the frit 1/8" to 1/4".

Ceramic frit is not recommended for first surface application in an exterior application as oxidation and weathering could adversely affect the performance of the material.

Light colors are recommended with the polycarbonate. Dark colors are not advisable.

Ceramic frit applied glass products are available for flat and curved glass applications.

Set up and Screen (both Standard and Custom) Charges Apply

