

Product Specification for Ceramic Frit

Product Description

Ceramic Frit is a pigmented glass enamel permanently fused to the glass surface fired at temperatures in excess of 1200°F. This product is available in combinations of solid, metallic and translucent colors. Goldray offers both traditional silkscreened ceramic frit as well as the new digital ceramic imaging process.

Features and Benefits

This versatile product can be applied to glass for a cost effective, low maintenance solution to many design needs. Goldray products produced with Ceramic Frit will be highly durable, with abrasion resistance, a long lifetime, and are available in myriad colors and patterns. Glass coated with Ceramic Frit may also be recycled at the end of its useful life and is available in laminated or monolithic form.

Applications

Balustrades, bus shelters, canopies, ceiling tiles, interior glazing, public art, signage, store fronts, sunshades, vanity tops, wind walls

Availability

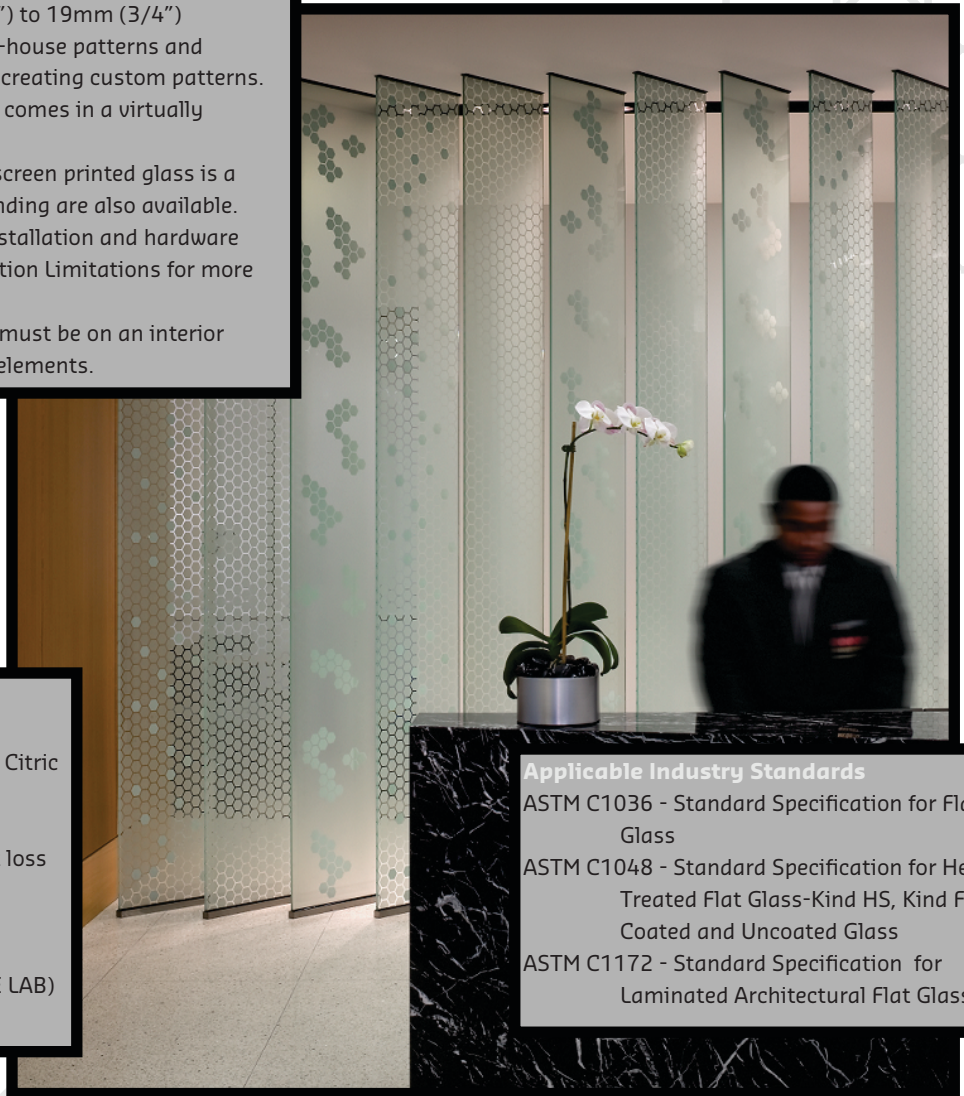
- › **Glass Thicknesses:** 3mm (1/8") to 19mm (3/4")
- › **Patterns:** Large selection of in-house patterns and comprehensive graphics lab for creating custom patterns.
- › **Colors:** Goldray's Ceramic Frit comes in a virtually limitless color palette.
- › **Edgework:** Standard edge for screen printed glass is a seamed edge. Polishing and grinding are also available.
- › **Fabrication:** Fabrication for installation and hardware available. See Goldray's Fabrication Limitations for more information.
- › **Surface:** Exterior applications must be on an interior surface and not exposed to the elements.

Technical Data

Film Thickness: ~15 microns
 Acid Resistance: 15 min. 10% Citric
 Acid produces slight iridescence.
 Alkali Resistance: <.10 weight loss
 Heavy Metal Release: N/A
 Average Opacity: Varies upon pattern and application
 Color Tolerance: 1 Delta E (CIE LAB)
 (ASTM D 2244)

Applicable Industry Standards

- ASTM C1036 - Standard Specification for Flat Glass
- ASTM C1048 - Standard Specification for Heat-Treated Flat Glass-Kind HS, Kind FT Coated and Uncoated Glass
- ASTM C1172 - Standard Specification for Laminated Architectural Flat Glass



Maintenance and Warranty

Follow Goldray's "Standard Glass Cleaning Instructions" for proper maintenance of this glass. A limited 5 year warranty is available for this product. For more information please contact the Goldray Sales office or visit our website at: www.goldrayindustries.com