

## **CERAFRIT<sup>MC/TM</sup> - Silk Screen glass**

### **Description:**

Lead free ceramic frit paint is applied to one side of the glass through a polyester mesh in a factory-controlled environment. The next step is to fuse the ceramic ink to the glass by heat treatment, to create a permanent hard coating that will be scratch, weather and UV resistant.

### **Applications:**

- ◆ Spandrels
- ◆ Application of a pattern on surface 2 of a sealed units to reduce glare, help reduce solar gain and protect privacy.
- ◆ Aesthetics

### **Advantages:**

- ◆ Possibility to harmonize with the glass color or with the curtainwall.
- ◆ Fading resistant
- ◆ Scratch resistant
- ◆ Resistant to all weather conditions
- ◆ Does not peel
- ◆ Non-toxic, non-combustible
- ◆ Standard color selection or possibility to match major paint manufacturer colors.

### **Recommendations:**

- ◆ CERAFRIT glass by Laurier is designed to be viewed from the exterior against an unlit, uniform background. Therefore, light colors may require using a uniform and assorted tinted background.
- ◆ Spandrel glass is not to be viewed in transmission and Laurier shall always be consulted prior to starting a project requiring this type of application.
- ◆ It is important to always evaluate a sample of a representative size in its final environment prior to the project.

Laurier has rigorous quality control procedures. For the manufacturing of opacifying products, we use high quality pigments from reputable suppliers. In addition, we control finish products with reference samples.

Despite this stringent procedure, it is possible to have slight color variations between different productions of the same product.

**Norms:**

CAN/CGSB 12.1 Safety glazing

ASTM C1048 Heat-treated flat glass

ASTM C346 Test Method for 45-degree Specular gloss of ceramic materials

**CERAFRIT limitations:**

- ◆ In case of breakage, the broken pieces will not be held in the opening. If required, it will be necessary to plan on applying a retaining film.



## Standard Colors:

C-504 X-White



C-011 Medium Grey



C-488 X-Black



C-161 Lite Grey



C-506 X-Charcoal



C-510 X-Blue



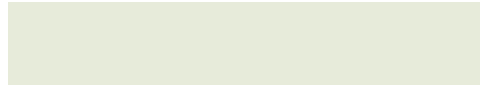
C-163 Solar Bronze



C-484 X Warm Gray



C-158 New Etch



C-252 Clear Anodized



C-509 X-Graphite



C-020 Lava Bronze



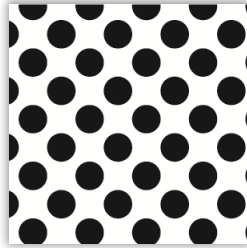
C-507 X-Solar Gray



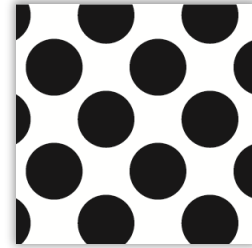
LAURIER also offers CERAFRIT in standard patterns (shown in reduced scale)



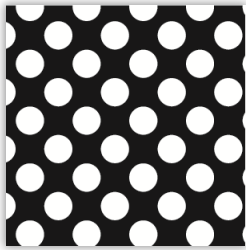
Dots 3mm (1/8") diameter  
spaced 7mm (9/32") apart  
Centre to Centre  
**30% Coverage**



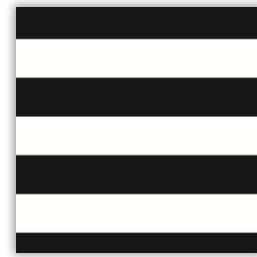
Dots 3mm (1/8") diameter  
spaced 7mm (9/32") apart  
Centre to Centre  
**40% Coverage**



dots 6mm (1/4") diameter  
spaced 11mm (7/16") apart  
Centre to Centre  
**50 % Coverage**



Holes 3mm (1/8") diameter  
Spaced 6mm (1/4") apart  
Centre to Centre  
**Coverage 60%**



Lines 6mm (1/4") wide  
spaced 12mm apart (1/2")  
**Coverage 50%**

Custom-made patterns are also offered. It requires the design of a custom mesh. Contact us for details.