

CERAPRINT^{MC/TM} - DIGITAL PRINT ON GLASS

Description:

Printing of any image, works of art, logos or text.

Applications :

- ◆ May be printed on surface 2 or 3 of a sealed unit
- ◆ Interior glazing
- ◆ Laminated (surface 2 or 3)

Durability :

- ◆ **Chemical resistance :**
- ◆ Hydrochloric acid : 3-4 (3.7% HCl ASTM C724-91_
- Acetic acid : 1-2 (4% Acetic acid, 12 min, 20°C)
- Citric acid : 1-2 (10% Citric acid, ASTM C724-91)
- Sulfuric acid : 4hr (0.1N H₂SO₄, 80°C, no color change on the glass side)
- ◆ **Alkali Resistance :**
- 1-2 (3.5mg/cm² max) (10% NaOH, ASTM C1203-4)
- ◆ Resistance to UV:
- Exceptional due to inorganic pigments.
- ◆ **Scratch Resistant :**
- Precision hardness tester (sclerometer): >16N

Maximum dimensions :

Tempered :	width 2150mm - length 3655mm (86 x 144'')
Heat-strengthened:	width 2150mm - length 3655mm (86 x 144'')
Sealed units :	width 1956mm – length 3429mm (77'' x 135'')
Laminated :	width 1727mm – length 2997mm (68'' x 118'')
To be confirmed	More than 50 square feet

Minimum dimensions :

Tempered : 305 x 305mm (12'' x 12'')
Others : Verify for less than 1 square foot
Diagonal minimum 407mm (16'')

Recommendations :

- ◆ As the ceramic coating is not perfectly uniform, some variations are expected if the glass is not placed in front of an opaque panel.
- ◆ Although CERAPRINT may be used on any surfaces, face 1 application is not recommended, as dirt deposits may accumulate.
- ◆ It is important to always evaluate a sample of a representative size in its final environment prior to the project.

Technical specifications :

Maximal resolution : 720 dpi
Minimum dot size : 80 microns
Level of opacity: Variable by adjusting ink thickness
Colors : 6 colors + etch appearance

Files :

Preferred: vector files
File types: EPS, PDF, JPEG, TIFF, AI, PSD, DWG, DXF
Recommended resolution: 200-300dpi@200-300pixels per inches
Applicable filters

Color variation:

Laurier has rigorous quality control procedures and ensures a thorough product quality control.

For manufacturing opacifying products, we use high quality pigments from reputable suppliers. We also use reference samples to check finished products. Despite these rigorous procedures, slight color variations may be noticeable 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

CPSC 16 CFR1201 Safety standard for architectural glazing materials

ANSI Z97-1 Standard – Safety glazing materials used in buildings – Safety performance specifications and method of test.

