

CERAPRINT™

DIGITAL PRINT ON GLASS

Digital print of a pattern, an image, a work of art, a text or a logo on glass.

APPLICATIONS

- Monolithic or Sealed units
- Interior or exterior
- Printing of multi-colors images, logos, patterns, of which may be different from one glass to the next
- Privacy protection
- Glare reduction
- Solar control
- Bird-friendly

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)
- UV resistance: Exceptional due to inorganic pigments
- Scratch Resistant:
Precision hardness tester: >16N au Sclerometer

GLASS

Subject to glass availability (thickness and maximum size)

MAXIMUM SIZES

- Ultra clear:
Width 2184mm – length 3251mm (86" x 128")
- Tempered:
Width 2150mm – length 3655mm (86" x 142")
- Heat-Strengthened:
Width 2150mm – length 3655mm (86" x 142")
- Sealed units:
Width 2006mm – length 3480mm (79" x 137")
- Laminated:
Width 1778mm – length 3098mm (70" x 122")
- To be confirmed: More than 50 square feet

MAX WEIGHT

300 lbs - 68kg

MINIMUM SIZES

- Tempered : 305mm x 305mm (12" x 12")
- Other: Verify for less than one square foot
- Diagonal: minimum 306mm (12")
- May color match the glass or the curtainwall:
Fade resistant;

Scratch resistant;

Resistant to all weather conditions;

Do not peel;

Non-toxic, non-combustible coating;

May select standard colors or match color from a recognize paint manufacturer.

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COMPATIBLE ADHESIVES

Tendances+

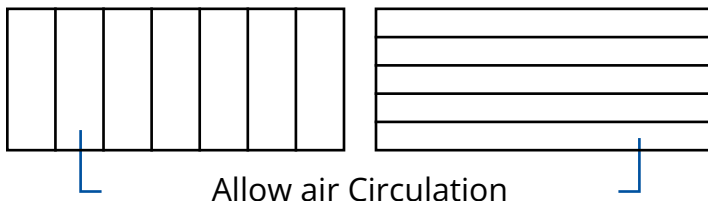
Dow Corning 795	GE SCS1200
Dow Corning 995	GE SCS2000
Dow Corning 983	GE SCS4600
Dow Corning 121	

ADHESIVE APPLICATION FOR COATED GLASS

- Adhesives should be applied in 1/8" caulking beads.
- Spacing is left to the installer's judgement.
- Allow time to cure to ensure adhesion.
- Proper air circulation is essential.

Suggested

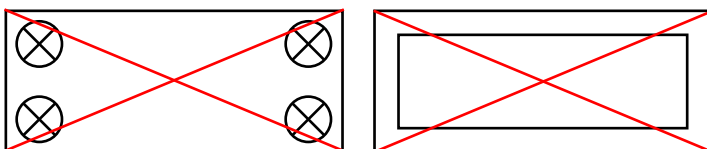
1/8" parallel caulking beads



Wrong

"Hockey Pucks "

Caulking beads all around



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
- Color: 6 color + etch appearance

FILES

Preferred:
Vector files

File types:
EPS, PDF, JPEG, TIFF, AI, PSD, DWG, DXF

Recommended resolution:
200-300dpi@200-300pixels per inch

Applicable filters

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STANDARDS

Glass

ASTM C1036 Standard specification for flat glass

CAN/CGSB 12.3 M91 Flat, Clear Float glass

Tempered products

ASTM C1048 Heat-treated flat glass

CGSB-12.1 Security glass

16CFR 1201 II, Safety Standard for Architectural Glazing Materials

ANSI-Z97.1 Safety Glazing Materials Used in Buildings

COLOR VARIATION

Laurier Architectural 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.