

## 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 H<sub>2</sub>SO<sub>4</sub>, 80°C,  
No color change on the glass side)
- Alkali Resistance:  
1-2 (3.5mg/cm<sup>2</sup> 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

- Tempered:  
Width 2150mm – length 3655mm (86" x 142")
- Heat-Strengthened:  
Width 2150mm – length 3655mm (86" x 142")
- Sealed units:  
Width 1956mm – length 3429mm (77" x 135")
- Laminated:  
Width 1728mm – length 2997mm (68" x 118")
- To be confirmed: More than 50 square feet

### MINIMUM SIZES

- Tempered : 305mm x 305mm (12" x 12")
- Other: Verify for less than one square foot
- Diagonal: minimum 407mm (16")
- 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+

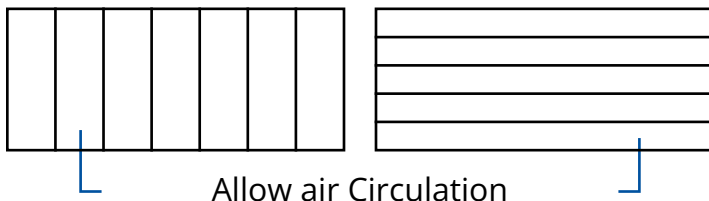
Dow Corning 795	GE SCS1200
Dow Corning 995	GE SCS2000
Dow Corning 983	GE SCS4600
Dow Corning 121	

## 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

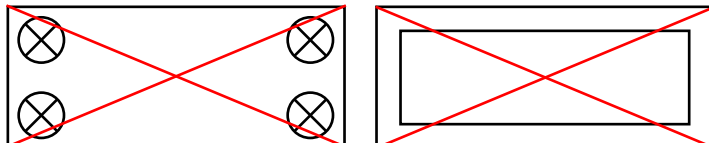
1/8" parallel caulking beads



### 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 C1036-16 Standard specification for flat glass

CAN/CGSB 12.3 M91 (R2017) Flat, Clear Float glass

#### Tempered products

ASTM C1048 Heat-treated flat glass

CGSB-12.1-2017 Security glass

16CFR 1201 II, Safety Standard for Architectural  
Glazing Materials

ANSI-Z97.1-2015, 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.