



## ENAMELITE

### DESCRIPTION

ENAMELITE is a ceramic fritted glass, processed through a silk screen or spray-painted process. It imparts style, privacy and light-and-heat diffusion by fusing ceramic inks on glass. The inks are transferred to the glass in the design and colour of your choice through a custom-designed silk screen. These glasses are great for creating decorative surfaces or use as opaque spandrel panels. Our inks are sourced only from Europe and are guaranteed against flaking and peeling. Over 100 designs and colours can be coated on clear, tinted and coated glasses. Once the inks are transferred on to the glass surface, it is then fired in the furnace at 650 °C, with the option of making it fully tempered or heat-strengthened. This post print-firing ensures that the printed surface is extremely durable and highly resistant to scratches and peeling off.

### PRODUCT FAMILY

1. ENAMELITE FIRST: Clear ceramic-fritted glass
2. ENAMELITE CLARITY: Ultra-clear ceramic-fritted glass
3. ENAMELITE TONE: Tinted ceramic-fritted glass
4. ENAMELITE SOLAR: Solar-control coated ceramic-fritted glass (pyrolytic or MSVD coated)\*
5. ENAMELITE PRO-1: Low-E coated ceramic-fritted glass (pyrolytic coated)
6. ENAMELITE PRO-2, PRO-3, PRO-4: Silver low-E ceramic-fritted glass (MSVD)\* \*\*

\* Please consult with us regarding the compatibility of the ceramic ink on coating types.

\*\* Not applicable for monolithic glazing. Only possible when made into an insulated or laminated glass assembly.

### GENERAL CHARACTERISTICS

| FEATURE                          | DESCRIPTION   |
|----------------------------------|---|
| Process Type                     | Screen printed or spray painted   |
| Glass Types                      | Clear, extra clear, ultra clear, tinted, solar-control coated, low-E coated   |
| Additional Process Compatibility | Sand-blasting, acid-etching, holes, cutouts and notches   |
| Product Enhancement              | Can be converted to CLIMACOOL (insulated glass), LAMISECURE (laminated glass), FIRE-SAFETY glass, SECURITY glass and CREATIONS glass range. |
| Glass Thickness                  | 4 mm to 25 mm   |
| Edge Types                       | Rough grind, arrissed, super polished   |
| Compressive Stress (Surface)     | 30 MPa to 52 MPa (4,300 psi to 7,500 psi) - Heat Strengthened   |
|                                  | 69 MPa (10,500 psi) minimum - Fully Toughened   |
| Ink Makes                        | Torreid (Spain), Ferro (Germany) or Fenzi (Italy)   |

\* Lower emissivity only applicable for insulated or laminated glass assemblies. Please consult with us regarding the compatibility of the ceramic ink on coating types.

## UNIQUE SELLING POINTS



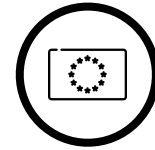
### LEAD-FREE INKS

Environment friendly inks with zero lead content



### HEATING CONTROL

Heat-scanner with precise measurement points for perfect quality



### INK MAKE

Highest quality inks sourced only from Europe

## DIMENSIONS

| FEATURE      | DESCRIPTION                             |
|--------------|---|
| Minimum Size | 200 mm X 300 mm                         |
| Maximum Size | 2440 mm X 3660 mm (4 mm and 5 mm)       |
|              | 3000 mm X 5100 mm (6 mm)                |
|              | 3000 mm X 6000 mm (8 to 19 mm)          |
|              | 25 mm maximum size available on request |

## LABELLING

Each piece of ENAMELITE shall be permanently labeled with the FG logo, process type and relevant standard description. In cases where the glass is made under a specific listing, the same shall be incorporated in the label. Order-specific labeling is also possible, under certain terms and conditions.

## STORAGE

ENAMELITE requires storage in a covered, dry area, unexposed to rain and dust. Each sheet of ENAMELITE should be separated with the help of non-adhesive transferring cork/rubber pads. Prolonged storage without separation or with paper separation may result in permanent and irreversible damage to the glass surface. This is even more critical for coated surfaces.