



DIGITECTURE®

DESCRIPTION

One of our most revolutionary products, DIGITECTURE® is glass printed digitally with ceramic based inks and then heat-treated for super durability. We can help you create magnificent façades that blend in with the surroundings seamlessly or make a statement on every road corner. You have the power and flexibility to create architectural beauties that capture your imagination on glass. With DIGITECTURE®, you can print virtually anything on-demand and in real-time. Welcome to the future.

PRODUCT FAMILY

1. DIGITECTURE® FIRST: Digitally printed clear glass
2. DIGITECTURE® CLARITY: Digitally printed ultra-clear glass
3. DIGITECTURE® TONE: Digitally printed tinted glass
4. DIGITECTURE® SOLAR: Digitally printed solar control coated glass (pyrolytic or MSVD coated)
5. DIGITECTURE® PRO-1: Digitally printed low-E coated glass (pyrolytic or MSVD coated)
6. DIGITECTURE® PRO-2, PRO-3, PRO-4: Digitally printed silver low-E glasses (MSVD)*

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

PRINT TYPES

1. FLOOD: Full flood print
2. GEOMETRY: Geometrical pattern prints
3. STONE: Stone image prints
4. WOOD: Wood image prints
5. ILLUSION: 3-dimensional prints
6. GRADIENT: Gradient pattern prints
7. BORDER: Border prints
8. CUSTOM: Custom design prints

GENERAL CHARACTERISTICS

FEATURE	DESCRIPTION
Process Type	Digitally printed glass through precise electromagnetic controlled drives
Glass Types	Clear, ultra clear, tinted, solar-control coated, low-E coated
Glass Thickness	3.5 mm to 19 mm (80 mm glass blocks also printable)
Ink Type	Ceramic based inks
Colour Types	Standard RAL shades, metallic (silver, gold), acid-etched, anti-skid
Maximum Resolution	2880 dpi (dots per inch)
Minimum Printable Dot Diameter	0.40 mm
Edge Finish	Arissed, rough ground or super polished
Inks Make	Tecglass, Spain

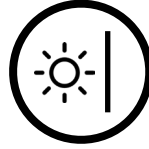
FEATURE	DESCRIPTION
Compressive Stress (Surface)	30 MPa to 52 MPa (4,300 Psi to 7,500 Psi) - Heat-Strengthened
Compressive Stress (Surface)	69 MPa (10,500 Psi) minimum - Fully Toughened

UNIQUE SELLING POINTS



RESOLUTION

Industry-leading resolution of 2880 dpi for life-like image reproduction



#1 PRINTS

Prints on surface 1 possible with high-durability inks



DESIGN SERVICES

In house skilled design team for all your design needs

DIMENSIONS

FEATURE	DESCRIPTION
Minimum Size	200 mm X 300 mm
Maximum Size	2500 mm X 3660 mm (4 mm and 5 mm) 2500 mm X 4500 mm (6 mm and above)*

* Height can be extended up to 6000 mm. Please consult our sales team for checking feasibility against your design.

LABELLING

Each piece of DIGITECTURE® 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.

STANDARDS

DIGITECTURE® is manufactured as per BIS 2553: Part 1 (2018), BIS 16982, EN 12150, EN 1863, ASTM C1048 and/or AS/NZS 2208: 1996.

LISTINGS

1. Bureau of Indian Standards IS 2553: Part 1 (2018) - License Number 78001028
2. StandardsMark License AS/NZS 2208: 1996 - License Number SMK41109

STORAGE

DIGITECTURE® requires storage in a covered, dry area, unexposed to rain and dust. Each sheet of DIGITECTURE® 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.