

CREATIO

FG your favourite glass

MORE THAN JUST GLASS!

As they say - creativity is more than just being different, it's about making the simple awesomely simple. Our Creations range talks about how to add the aesthetics to the facade in different ways with the help of - colors, textures, objects and much more to achieve the differentiation with simplicity.



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AT THE TOP, BURJ KHALIFA, Dubai Architect: GSM Developers: EMAAR Product: VIVID laminated glass in various co Application: Partitions

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ACHIEVING THE IMPOSSIBLE!

Architecture is no longer limited to bricks and cement. It has evolved far beyond our imagination. Today, you can create building façades that work like large television screens or even print gorgeous patterns and textures across them. With glass, there is no end to the possibilities. At FG Glass we think that the architectural facades and interior spaces are the most prominent and lavish places to show your creativity, for the world to see and for you to enjoy personally. Our Creations bring every dream to life with glass panels that are unique not just in their looks but also in performance and functionality. Committed to innovating and improving, FG experts scoured international markets to find glass that allows you to bring even the most daring architectural feats to life. Our Creations line offers unique products that come in a wide range of colours and designs and can even offer visibility on demand. What more could you possibly want?

GLASS IS YOUR CANVAS, PAINT IT THE WAY YOU WANT!

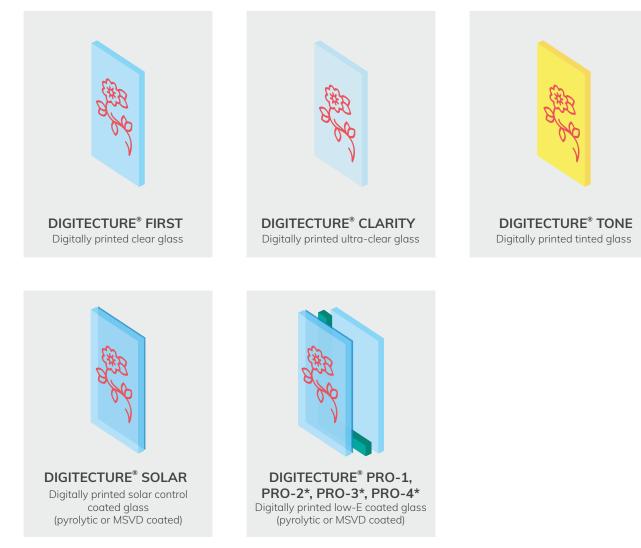




One of our most revolutionary products, DIGITECTURE[®] is glass printed digitally with ceramic based inks and then heat-treated for excellent durability. We can help you create magnificent façades that blend in with the surroundings seamlessly or make a statement on every block.

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.

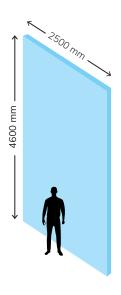
DIGITECTURE® TYPES



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



DIGITECTURE[®] is available in a wide size range, from minimum 200 mm X 300 mm to maximum 2500 mm X 4600 mm (4 mm and above)* enabling unmatched design flexibility and performance.





A LIMITLESS CANVAS TO PAINT

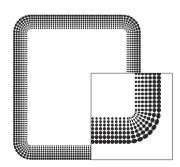
What do you want to imagine on your facade?



FLOOD Full flood print



WOOD Wood image prints



BORDER Border Prints



GEOMETRY Geometrical pattern prints



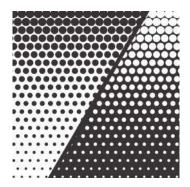
ABSTRACT Abstract image prints



CUSTOM Custom design print



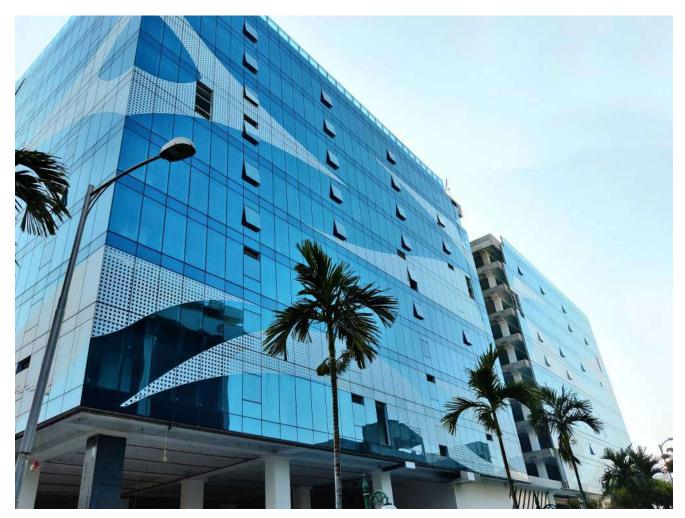
STONE Stone image prints



GRADIENT Gradient pattern prints

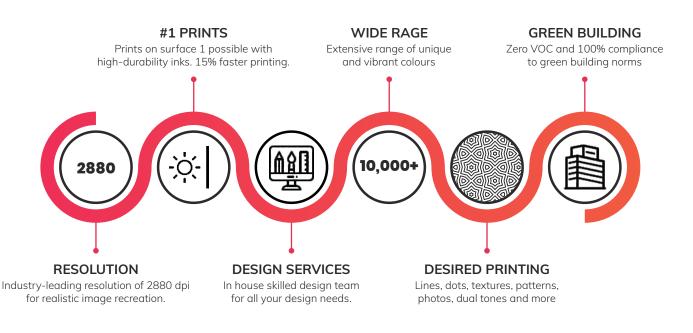


PRIVATE RESIDENCE at CAMELLIAS, Gurugram Developer: DLF Limited | Product: DIGITECTURE® | Application: Interiors

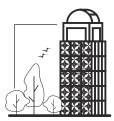


AYYANNA IT PARK, Hyderabad Architect: Aslam Architects | Developer: Ayyanna Infra Developers | Product: DIGITECTURE® on #1 with Saint Gobains ST767 on #1 | Application: Façade

WHY DIGITECTURE®

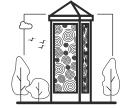


UNIQUE SELLING POINTS



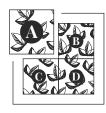
LIFE-LONG PRINT DURABILITY

Our 100% UV-stable inks are guaranteed against color fading. This is due to the unique ceramic-based ink composition that is completely devoid of plasticizers.



PRINTS ON SURFACE ONE POSSIBLE

Since the inks are heat-treated post printing, they become completely fused with the glass surface and can even be installed facing the exterior.



EASY PANEL TRACKING

Our advanced panel tracking feature prints a unique alpha-numeric code on every glass panel facilitating easy replacements at a later date. Additionally, each code is uniquely linked to the panel design in our database and can be retrieved anytime.



CREATE PRECISE BORDER FRITS

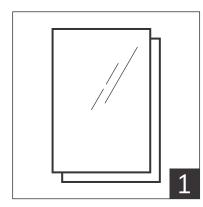
digitecture[™] can also be used to create perfectly opaque borders to conceal the otherwise unsightly spacer, butyl and silicone perimeter. This helps create neat and orderly glass-to-glass joints and is a great option for glazing in high vision areas, such as lobbies.

IDEAS 2 IMPACTS HEADQUARTERS, Pune

Architect: Archivista Engineering Projects Glass: DIGITECTURE® on Vitro Starfier USA with Saint Gobain Planitherm Application: Facade

HOW IT IS MADE

DIGITECTURE® gives you the freedom of exploration along with the trusted German technology. Now widen your horizon with the German engineering assurance.



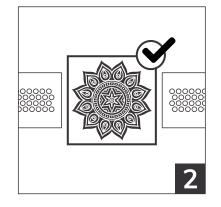
Choose Your Glass

Printing is possible on practically any glass type, be it clear, tinted or coated.



Heat-Treatment

The printed glass is then heat-treated in our furnace for 100% durability.



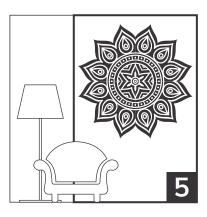
Select Your Design

Choose any style from our exhaustive library or create one of your own.



Printing on Glass

Your selected design is then printed on glass by our revolutionary printing machine.



Final Product Your bespoke glass is now ready to amaze the world!

100% better resolution (2880 dpi) than the current industry standard



maximum size

15% faster printing technology

mm maximum thickness (can print glass blocks)

10000 +colours possible

WHERE CAN I USE DIGITECTURE™



Entrance doors



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Shower cubicles

Interior partitions



Skylights and canopies



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Glass railings



Shop fronts



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Slass flooring

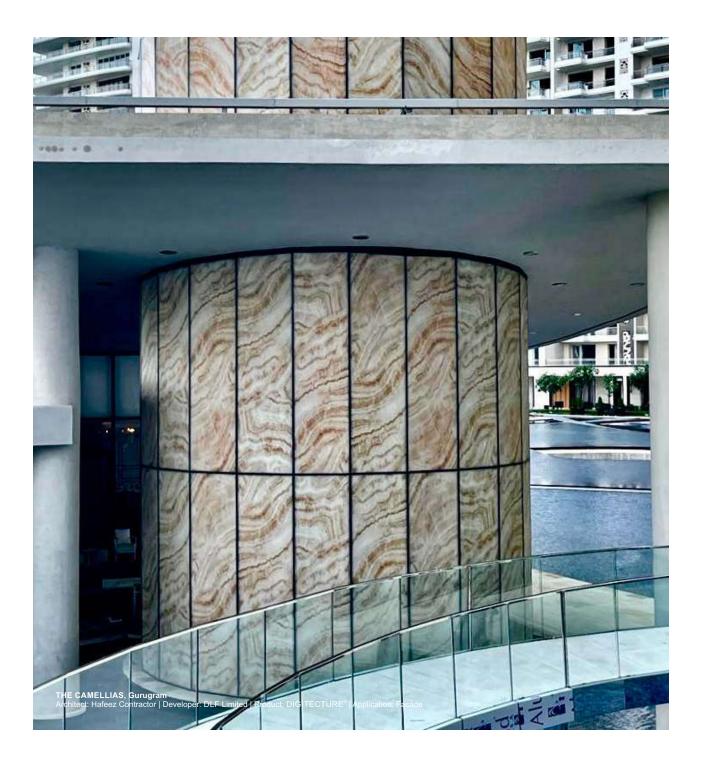


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Glass furniture



Branding areas



AMAR BUSINESS PARK

Location: Pune, India Developer: Amar Developers Architect: Moco Design Studio Product: DIGITECTURE ABSTRACT on Vitro-PPG Startphire Application: Facade





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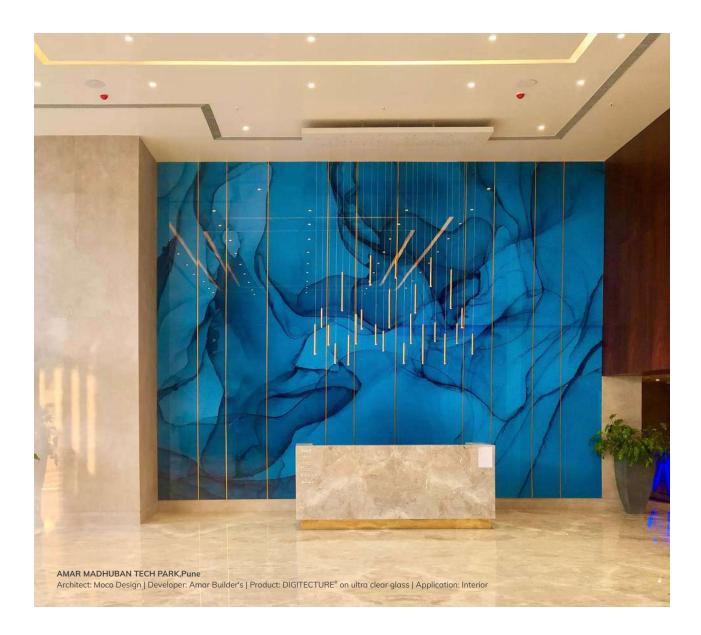
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4

TECHNICAL SPECIFICATIONS

DESCRIPTION	LEVELS
Process Type	Digitally printed glass through extremely precise electromagnetic controlled drives
Glass Types	Clear, extra clear, ultra clear, tinted, solar-control coated, low-E coated
Glass Thickness	3.5 mm to 19.00 mm (80.00 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
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







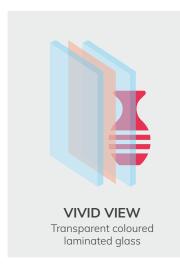
ADDING A TOUCH OF GLAMOUR TO EVERYDAY ARCHITECTURE





Add a touch of glamour to everyday architecture! Using coloured glass on a facade is often tricky since it reduces transparency and creates a loss of vision. With Vanceva® from Solutia, USA, we provide you with the only glass panels that can offer perfect transparency in practically any colour. Use a colour of your choice to create a stunning partition, façade, skylight or canopy! We work with over 10,000 unique colours with varying levels of transparency, from perfectly clear to completely opaque, that take care of all your architectural needs. You can use our VIVID panels for interiors or exteriors as they have high sound insulation and block 99% UV rays. With this glass, you won't ever have to compromise on aesthetics or performance.

VIVID TYPES



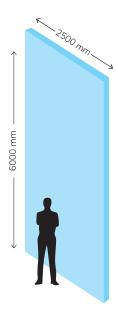


Transluscent coloured laminated glass



VIVID SIZE

VIVID Coloured Glass is available in a wide size range, from minimum 200 mm X 300 mm to maximum 2500 mm X 3660 mm (4 mm and 5 mm) 2500 mm X 6000 mm (6 mm and above)* enabling unmatched design flexiblity and performance.

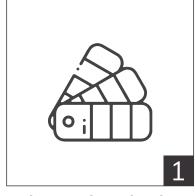




PRIVATE RESIDENCE, HOSUR

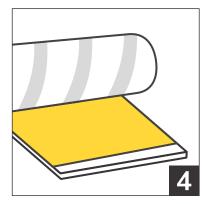
(((co-co))) Ť 40 1 Miles 12 1 24 **AT THE TOP, BURJ KHALIFA, Dubai** Architect: GSM Developers: EMAAR Product: VIVID laminated glass in various colors Application: Partitions 9 VIVID 18

HOW IT IS MADE



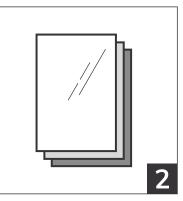
Select Color Shade

Select from wide range of Vibrant & unique shades. Select your shade from: **vanceva.com/color-selector**



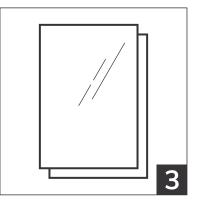
Laminate

Colored film is sandwiched between the glass and goes for lamination



Select Transparency Type

Select the glass you want for e.g.: View, Frost, Absolute



Select Glass

Select Type of Glass e.g.: Clear, Tinted, Solar Control or Low-E



Vivid Glass is Ready Your colored glass is ready for application



BIRLA AURORA, Mumbai Architect: Hafeez contractor Developer: Birla group Product: VIVID laminated glass in intense Blue Application: Façade

UNIQUE SELLING POINTS



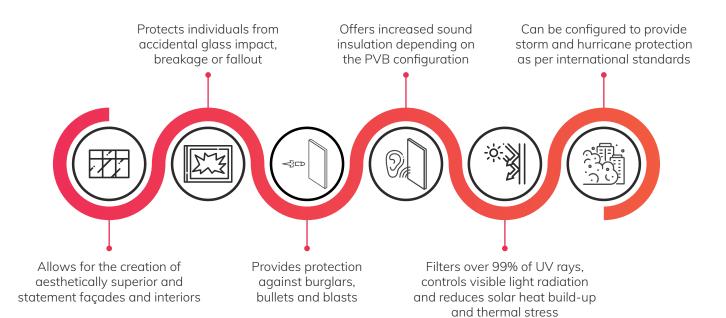


IMPACT PROTECTION Satisfes the highest criteria for impact safety



SOUND CONTROL Excellent sound reduction for enhanced comfort

WHY VIVID COLOURED GLASS?







WHERE CAN I USE VIVID COLOURED GLASS?



Floors



Curtain Walls

Fixed and Sliding Windows



1

. Skylights

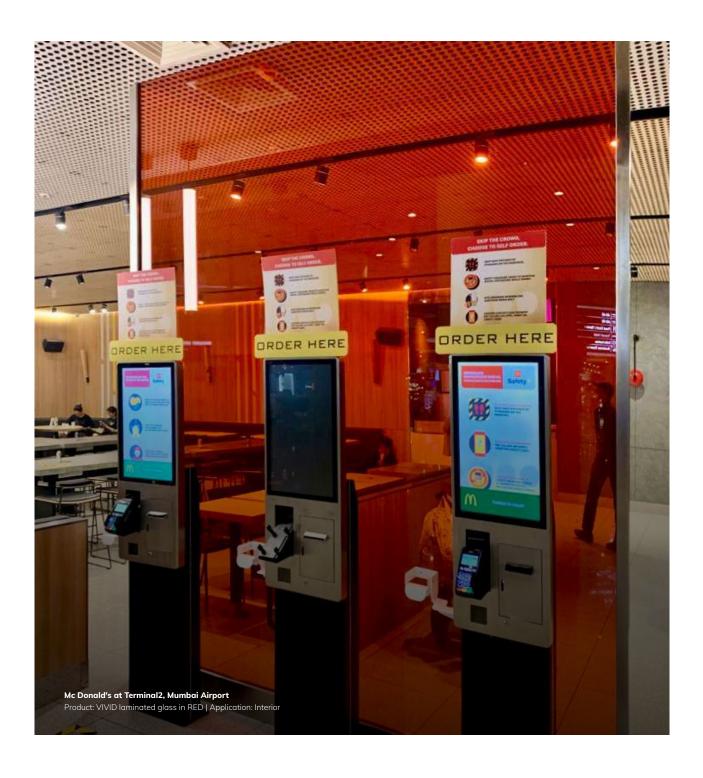




Suspended and Bolted Façades Railings



Structural Glazing



TECHNICAL SPECIFICATIONS

DESCRIPTION	LEVELS
Process Type	Nip-rolled or vacuum treated followed by autoclaving
Glass Types	Clear, extra clear, ultra-clear, tinted, solar-control coated, low-E coated
Additional Process Compatibility	Ceramic-frit, digitectureTM digital printing, sand-blasting, acidetching, holes, cutouts and notches
Product Enhancement	Can be converted from/to GLAS SHIELD , CURVE SHIELD . FACADE SHIELD , CLIMA COOL , BURGLAR SHIELD , BULLET SHIELD , BLAST SHIELD and FIRE-SAFETY products
Glass Thickness Range	3 mm to 19 mm
Unit Thickness Range	6.38 mm to 100 mm
Edge Finish	Arissed, rough ground or super polished
Colour Type	More than 10,000 RAL colours possible
Transparency Levels	Transparent, translucent and opaque



SBI OFFICE, Kolkata

Architect: Lorem Ipsum | Developer: Lorem Ipsum | Product: VIVID laminated glass in various colors | Application: Interiors





CREATE VISUAL LANDMARKS WITH EASE



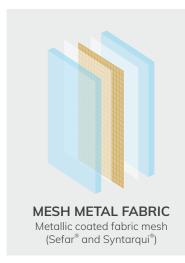


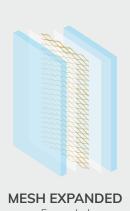




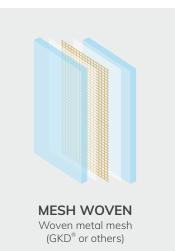
Create visual landmarks with ease. To create mesmerizing insulated and laminated panels, we present our MESH series of expanded metal, woven metal, and metal-coated fabric, With an diverse partner mix in this aesthetically stunning product line, SEFAR[®] from Switzerland, Syntarqui[®] from Italy and GKD[®] from Germany, we can offer your hundreds of mesh types, each playing beautifully with light to create unique optical effects that you cannot achieve with print or non-metallic materials. The mesh also diffuses sunlight, eliminating the need for blinds while cutting down on solar heat gain. Sefar[®] also offers a oneof-a-kind single-sided metal coating that allows for free expression on the glass exterior without impeding views from the interior. Our MESH series can be produced in laminated or insulated forms depending on the mesh type and the design requirements.

MESH TYPES



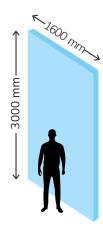


Expanded aluminum mesh



MESH SIZE

Mesh glass in a wide size range, from minimum 200 mm X 300 mm to maximum 1600 mm X 3000 mm (6 mm and above)* enabling unmatched design flexibility without compromising on the performance.



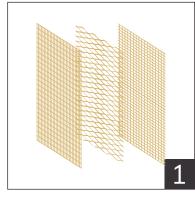


AIRPORT KEFLAVIK, Iceland

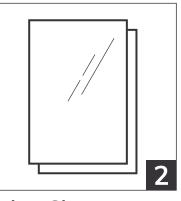
Architect: Andersen & Sigurdsson Architects | Product: SEFAR® Architecture VISION AL 260/55, PR 260/55 Copper | Application: Façade Photo credit: SEFAR®



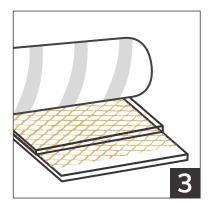
HOW IT IS MADE



Select Mesh Type Select the type of mesh Fabric, Expanded or Woven

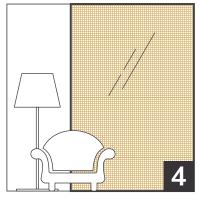


Select Glass Select glass type you want Clear, ultra clear, tinted, coated



Laminate

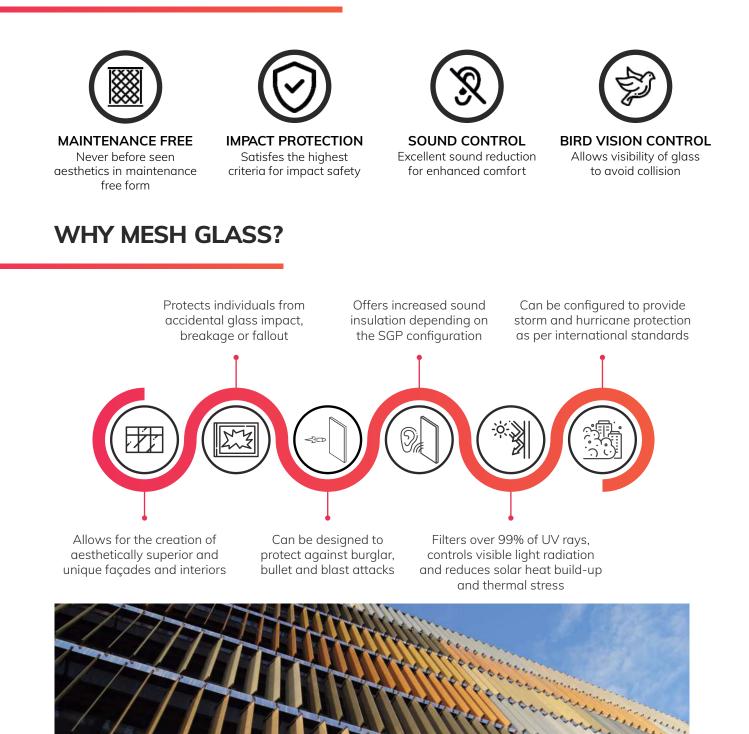
Selected mesh will be sandwiched between glass and goes for lamination.



Your Mesh Glass Ready Mesh glass is ready for application



UNIQUE SELLING POINTS



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SWISS RAILWAY MAIN OFFICE BUILDING BERN WANKDORF , Switzerland Architect: Lussi + Halter Partner AG, Luzern | Product: SEFAR® Architecture VISION Fabric | Application: Façade Photo credit: SEFAR®

WHERE CAN I USE MESH GLASS?



Floors



Structural Glazing



Partitions





Skylights



Curtain Walls

Railings



Canopies



Fixed and Sliding Windows





CRYSTAL OF SYLVINITE FOR BKK HEADQUATERS, Belarus

Architect: Varabyeu Partners | Product: SEFAR® Architecture VISION - PR 260/55 Red | Application: Façade Photo credit: SEFAR®

TECHNICAL SPECIFICATIONS

DESCRIPTION	LEVELS
Process Type	Nip-rolled or vacuum treated followed by autoclaving for laminated glass. Vertical, fully automatic assembly line for insulated glass.
Glass Types	Clear, extra clear, ultra-clear, tinted, solar-control coated, low-E coated
Additional Process Compatibility	Ceramic-frit, digitecture [™] digital printing, sand-blasting, acidetching, holes, cutouts and notches
Product Enhancement	Can be converted from/to GLAS SHIELD , CURVE SHIELD . FACADE SHIELD , CLIMA COOL , BURGLAR SHIELD , BULLET SHIELD , BLAST SHIELD and FIRE-SAFETY products
Glass Thickness Range	3 mm to 19 mm
Unit Thickness Range	11.04 mm to 27.04 mm
Edge Types	Rough grind, arrissed, super polished
Mesh Types	Expanded Metal (GKD™ Germany) Woven Metal (GKD™ Germany) Metal-Coated Fabric (SEFAR® Switzerland) Syntarqui®
Colour Types	Gold, silver, bronze, copper, titanium, chrome, red, aluminum and other custom-printed types
Interlayer Types	Kuraray SentryGlas® (USA)

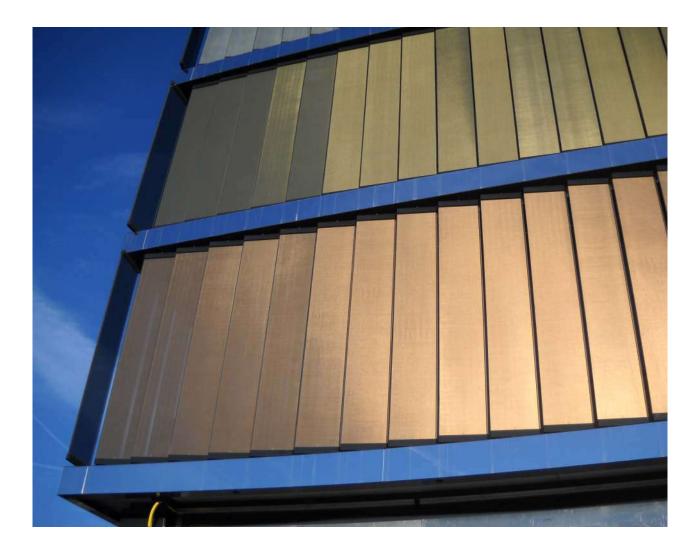
Please Note:

- 1. The mesh may expand or contract up to 5 mm due to temperature variations.
- 2. The special encapsulation technique used for the suspended mesh compensates for the differing expansion.
- 3. Mesh types are directional materials. The orientation of the mesh should be realized and agreed upon before releasing the order for production.
- 4. In case of MESH laminated glass, up to 10 mm clean edge may be required on all sides for better edgesealing.



OVAL ROOM

Developer: Asian Hotels (North) Limited, New Delhi | Architects: CR Narayana Rao, India | Facade Consultant: Meinhardt Facades, India Product: Metal Mesh







LODHA WORLD ONE LOBBY, Mumbai Architect: Lorem Ipsum | Developer: Lorem Ipsum | Product: Syntarqui®

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THE TRUE MARK OF LUXURY!

INVISI-G

In collaboration with





Have you ever found yourself peeking through the glass with your hands covering your face, trying to clearly identify that beautiful style of your favorite clothing brand or the intricate workmanship of your long-desired watch model? Turns out, conventional uncoated glass or ultra-clear glass can have up to 8% internal and external reflection, which makes it difficult to clearly look through them. INVISI-G has a residual external and internal reflection of less than 1%! Our glass is so clear that you can't see it, making it ideal for store fronts, display cases and paintings. We can process these panels to be toughened, heat-strengthened, bent, insulated or laminated to suit your safety requirements as well.

INVISI-G TYPES

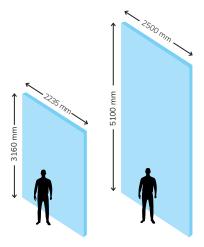




made with two single-coated glasses (#1 and #4)



INVISI-G glass in a wide size range, from minimum 200 mm X 300 mm to maximum 2235 mm X 3160 mm (both side coated) and 2500 mm X 5100 mm (single side coated) enabling unmatched design flexibility without compromising on the performance.





Conventional glass usage results in obstructed and inconvenient viewing

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UNIQUE SELLING POINTS

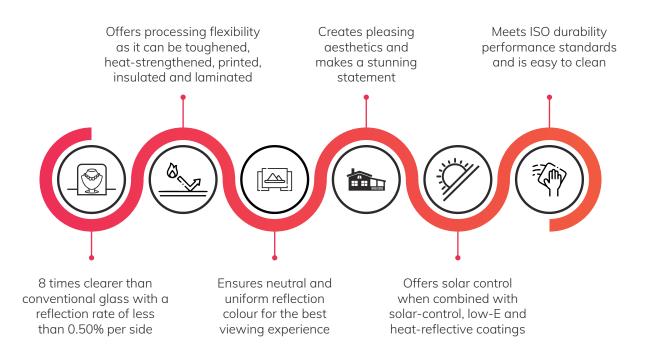




Can be heat-treated, insulated and/or laminated



WHY INVISI-G GLASS?



WHERE CAN I USE INVISI-G GLASS?



Floors



1



Partitions



Suspended and Bolted Façades



Curtain Walls

Display Units



Fixed and Sliding Windows





Paintings



AMIRAN-UBS-TOWERS, Chicago





TECHNICAL SPECIFICATIONS

DESCRIPTION	LEVELS
Coating Type	Magnetron Sputtered Vapour Deposited (MSVD)
Coating Face	Dual-coated (for monolithic or insulated use) Single-coated (for laminated use)
Glass Thickness Range	4 mm to 12 mm
Laminated Thickness Range	8.38 mm to 24.76 mm
Residual Reflection	<0.50% on each side
Colour Rendering Index	>98%
Edge Finish	Arissed, rough ground or super polished
Additional Process Compatibility	Ceramic-frit, digitectureTM digital printing, sand-blasting, acidetching, holes, cutouts and notches
Colour Types	Can be converted to GLAS SHIELD , CURVE SHIELD , FACADE SHIELD , CLIMA COOL , BURGLAR SHIELD , BULLET SHIELD and BLAST SHIELD
Interlayer Types	Kuraray SentryGlas® (USA), Kuraray Trosifol® (Japan/Germany), Eastman Solutia® (USA)*



DYNAMIC SPACES WITH A DIFFERENCE

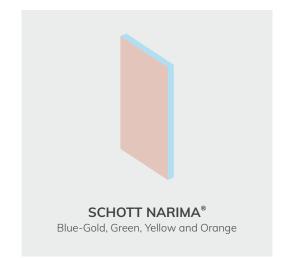






It's time to create dynamic buildings like never before! We offer the widest range of dichroic glass types in India. We've been certified by SCHOTT, Germany to bring their range of NARIMA® glass panels to the country and by 3M to utilize their PET film technology for encapsulation between glass lites. NARIMA® is a hot-dipped dual-side coated glass with a very stable coating. On the other hand, 3M provides a dual-coated PET film, laminated between two layers of Kuraray SentryGlas®. Both products allow us to create stunning aesthetics, with the colour of the glass changing depending on the solar zenith angle and the observer's position. We can create mesmerizing colour-changing displays that impart a unique personal-ity to every space.

DICHROIC GLASS TYPES

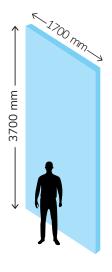


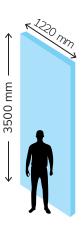


3M PET FILM Blaze Product: Cyan/ Blue/ Magenta Chill Product: Blue/ Magenta/ Yellow

DICHROIC GLASS SIZE

Dichroic glassis available in a wide size range, from minimum 200 mm X 300 mm for NARIMA[®]. 300 mm X 300 mm for 3M. Maximum 1700 mm X 3700 mm for NARIMA[®]. 1220 mm X 3000 mm for 3M. enabling unmatched design flexibility without compromising on the performance.





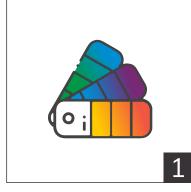
SCHOTT NARIMA®

3M PET FILM

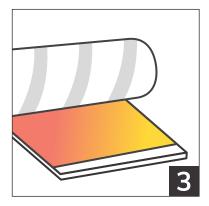




HOW IT IS MADE (3M PET FILM)

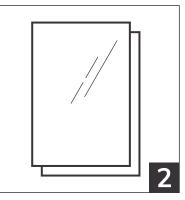


Select Color Shade Select your shade from: https://bit.ly/3pXnl1Q



Laminate

Film is laminated between the glass with DG-41 or SGP and goes for heat treatment.



Select Glass Type Select the glass you want for eg: Clear, ultra clear, tinted etc.



Your Dichroic is Ready Your dichroic is ready for application



MUSEUM AT PRAIRIEFIRE, Kansas, USA Architect: Verner Johnson | Product: 3M™ Dichroic film for laminated glass | Application: Façade Photo Credit: 3M™

UNIQUE SELLING POINTS



UNBEATABLE COLOUR TONE Unique dichroic colour tone imparts luxury and vibrancy

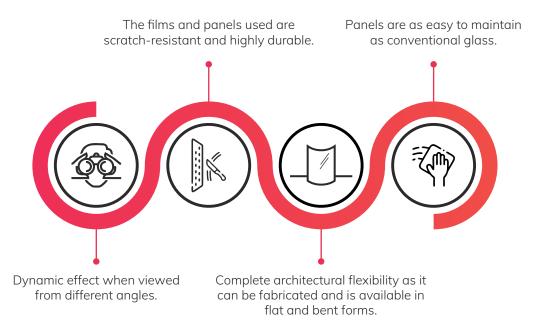


Satisfies the highest criteria for impact safety



CONTROL Excellent sound reduction for enhanced comfort

WHY DICHROIC GLASS?







WHERE CAN I USE DICHROIC GLASS?



Floors



Structural Glazing



Partitions



Curtain Walls



Щ Railings



1/ //

Fins



TECHNICAL SPECIFICATIONS

SCHOTT™ NARIMA[®]

DESCRIPTION	LEVELS
Colours Available	Blue-Gold, Green, Orange, Yellow
Thickness	6 mm standard. 4mm, 5 mm, 8 mm, 10 mm and 12 mm on request
Coating Type	Hot-dipped, dual-coated (suitable for external applications)
Additional Process Compatibility	Sand-blasting, acid-etching, holes, cutouts and notches
Product Enhancement	Can be converted to GLAS SHIELD , CURVE SHIELD , FACADE SHIELD , CLIMA COOL , LAMI SECURE , BURGLAR SHIELD , BULLET SHIELD , BLAST SHIELD and FIRE-SAFETY products
Edge Finish	Arissed, rough ground or super polished

3M PET FILM

Colours Available	Blaze Product: Cyan/ Blue/ Magenta Chill Product: Blue/ Magenta/ Yellow
Thickness	11.04 mm to 27.04 mm
Coating Type	Coating on PET Film
Additional Process Compatibility	Ceramic-frit, digitecture [™] digital printing, sand-blasting, acid-etching, holes, cutouts and notches
Product Enhancement	Can be converted from/to GLAS SHIELD , CURVE SHIELD , FACADE SHIELD , CLIMA COOL , BURGLAR SHIELD , BULLET SHIELD , BLAST SHIELD and FIRE-SAFETY products
Edge Finish	Arissed, rough ground or super polished



tec. the court

3

DR. RICHARD BRUNO

Dr. Bruno was a proud father and committed tea 24 11

and, in so doing, inspired others ke part in volunteer work throughout their lives





He was a charismatic storyteller who could captivate an audience with any number of stories about things he had done or seen around the world.

Dr. Bruno was fun-loving, enthusiastic and always ready with a smile.

He enriched every life he ever touched

n: Standalone installation

REMEMBRANCE PLAZA, LYNN UNIVERSITY, Florida Architect: Sousa Architecture Inc | Developer: Lorem Ipsum | Product: Schott Narima® Colour effects glass | Ar Photo Credit: Schott®

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DYNAMIC SPACES WITH A DIFFERENCE

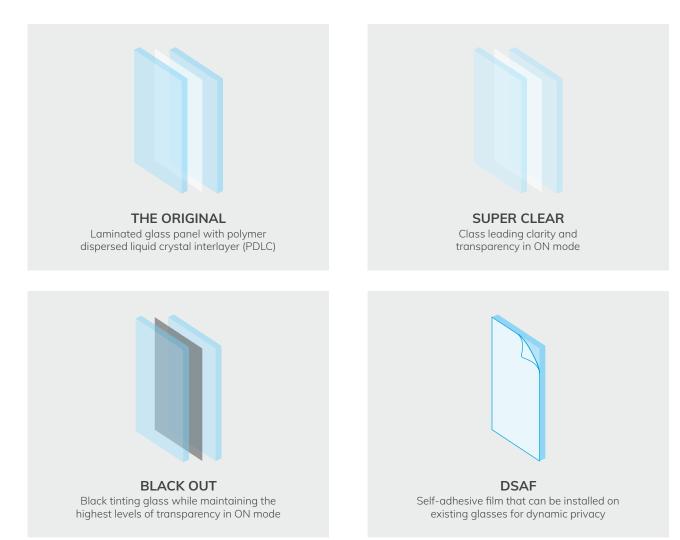


In collaboration with

DREAM GLASS GROUP

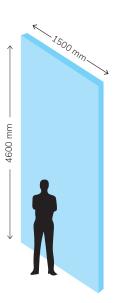
Get privacy inbuilt in your windows and partitions, all at the touch of a switch. That's the convenience you can enjoy with our SWITCHABLE glass - the world's most advanced smart glass solution in collaboration with Dream Glass[®], Spain. Especially useful in office spaces, hotel rooms and residential partitions, these panels can instantly turn your glass conference room into a completely opaque room that offers 100% privacy! Ideal for projection screens, doors, partitions and windows, these units change from clear to frosted in the flip of a switch, providing privacy and eliminating the need for curtains and blinds.

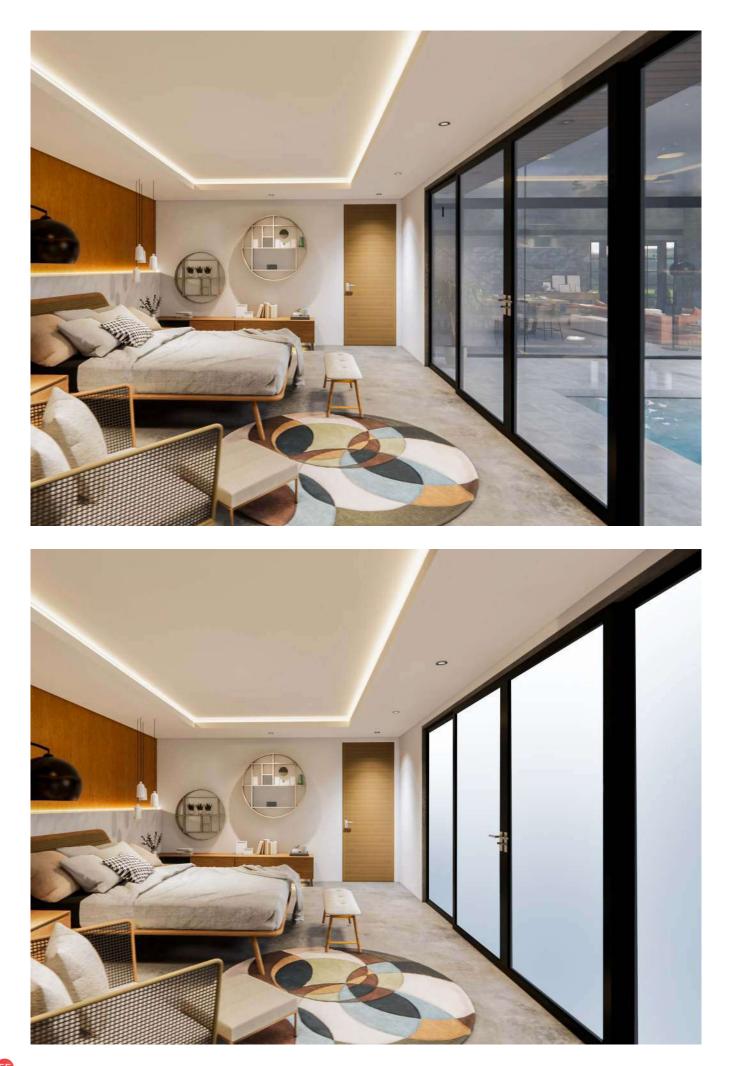
SWITCHABLE TYPES



SWITCHABLE GLASS SIZE

Switchable glass is available in a wide size range, from minimum 200 mm X 300 mm to maximum 1500 mm X 4600 mm enabling unmatched design flexibility without compromising on the promised protection levels.









UNIQUE SELLING POINTS



WHERE CAN I USE SWITCHABLE GLASS?



Floors





B

Structural Glazing



Curtain Walls

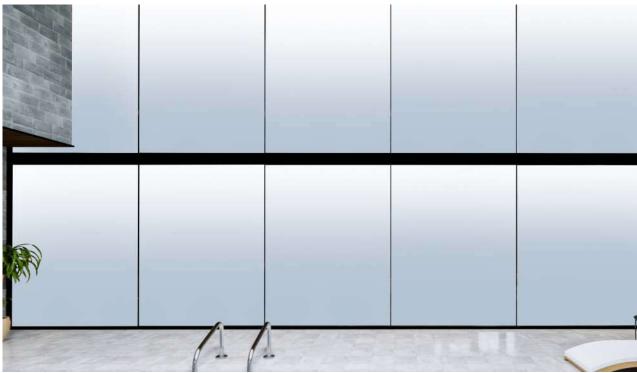


Partitions



Fixed and Sliding Windows





TECHNICAL SPECIFICATIONS

FEATURE	DESCRIPTION
Technology	Polymer dispersed liquid crystal interlayer (PDLC)
Coating Face	Dual coated (for monolithic or insulated use) or single-side coated
	(for laminated use)
Thickness	10 mm to 18 mm
Haze Levels	Less than 5%
UV Protection	More than 98%
Sound Insulation	Rw 36 dB to 39 dB (for standard thicknesses)
Operating Temperature	-10°C to 60°C
Operating Voltage	50 to 60 Hz
Power Consumption	≤ 7 W/m2
Switching Time	< 0.1 seconds
Edge Finish	Arissed, rough ground or super polished
Additional Process	Compatibility Ceramic-frit, digitectureTM digital printing
Product Enhancement	Can be converted to CURVESHIELD, CLIMACOOL,
	BURGLARSHIELD, BULLETSHIELD and BLASTSHIELD





THE TIMELESS FUNCTIONALITY OF BLINDS WITH THE BEAUTY OF GLASS

VENEZIA

Get venetian blinds integrated within an insulated glass unit to create a unique design element that is absolutely maintenance free. These high-quality sandwich type blinds are manufactured with tested and performance slats for better heat and light control. The assembly is completely automated and once they are incorporated into the insulated glass unit there is a whole range design options possible. Certified by IFT Rosenheim, Germany these blinds are tested for extreme endurance and durability.



VENEZIA TYPES

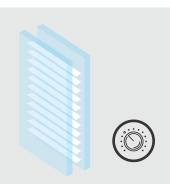




MOTORIZED ENCODER Control of the blinds through an encoder connected to a computer system



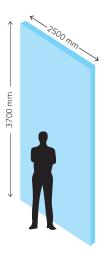
MAGNET ROLLER Magnetic control of the blinds through the internal cords



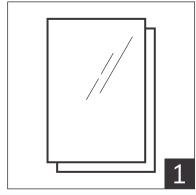
MANUAL KNOB Manual control for only tilting of the blinds through a knob

VENEZIA SIZE

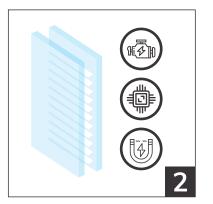
Our sophisticated factory infrastructure allows us to provide VENEZIA in a wide size range, from minimum 500 mm X 400 mm to 2500 mm X 3700 mm (30 mm to 46 mm)* enabling unmatched design flexibility without compromising on the performance.



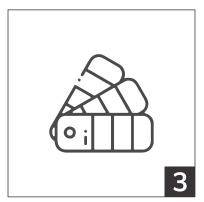
HOW IT IS MADE



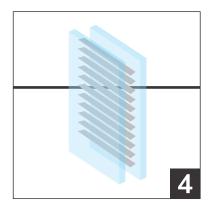
Select inner and outer glass



Select blind type (standard, encoder, roller, manual).



Select blind colour



Insulation process to encapsulate blind within glasses



Glass is ready for installation









ACTION BUSINESS CENTRE, Switzerland

UNIQUE SELLING POINTS



100% HYGIENIC Encapsulation within glass makes it ideal for infection-prone areas such as hospitals

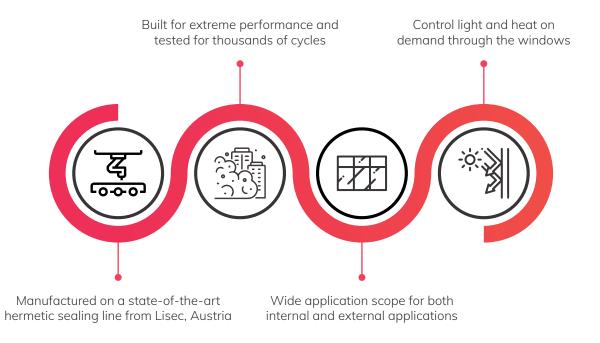


IMPACT PROTECTION Completely maintenance free and no risk of entanglement



SOUND CONTROL 100% sunlight can be controlled on demand

WHY VIVID COLOURED GLASS?



WHERE CAN I USE VENEZIA ?



Facades



Skylights and canopies



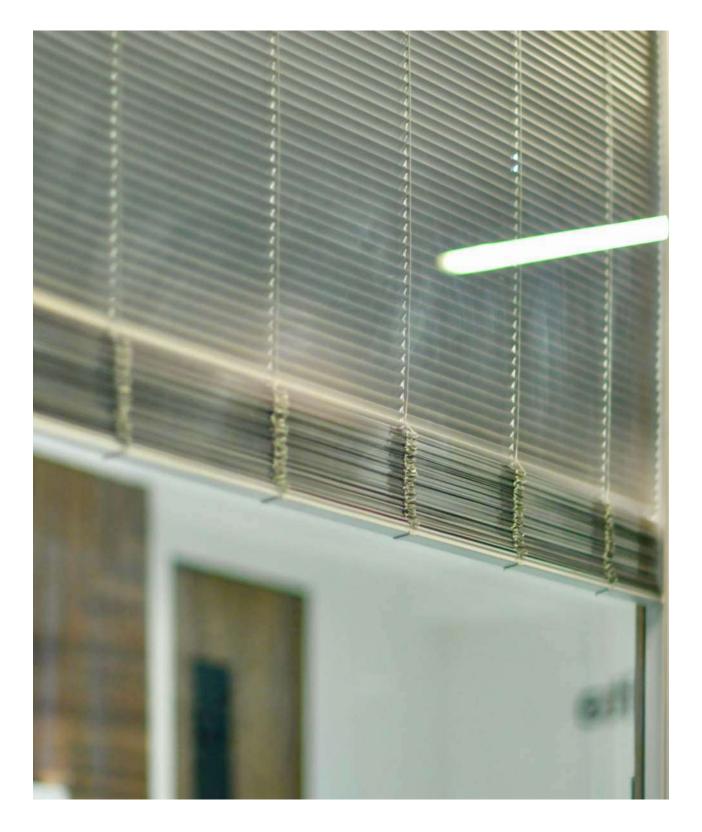


Entrance doors



Interior partitions

Shop fronts



TECHNICAL SPECIFICATIONS

FEATURE	MOTORIZED	MAGNET	MANUAL			
Technology	Motorized or manual aluminum blinds encapsulated within glass					
Motor	24V DC, 6W permanent motor. Power supply through SMPS.					
Power Supply (SMPS)	230V AC to 24V DC					
Slats	Aluminum 5052 with UV coating (colour as per requirement)					
Threads	Modified polyester threads treated for prolonged life					
Air Gap between Panes	29 mm to 32 mm	29 mm to 32 mm	20 mm			
Unit Glass Thickness	30 mm to 46 mm	30 mm to 46 mm	30 mm to 46 mm			
Edge Finish	Arissed, rough ground or super polished					
Additional Process Compatibility	Ceramic-frit, digitecture™ digital printing					
Product Enhancement	Can be converted to BURGLARSHIELD, BULLETSHIELD and BLASTSHIELD					



GELSENWASSER, Germany



GREAT AESTHETICS IN A MODERN FORMAT

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GEORGIAN

Glass windows and doors with made with Georgian bars have offered us timeless architectural beauty. While these were more a result of product and technology limitation in earlier centuries, their unique beauty still captivates us. FG brings you this timeless product with new-age materials, with the Georgian Bar assembly safely encapsulated within an insulated glass unit. Made with extruded aluminum, we have a unique clip-on system that joins these bars with millimeter precision, offering you great aesthetics in a modern format. These units can be made in very large sizes and combined with coated or tinted glasses for additional performance.

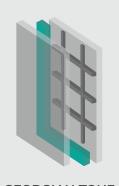


GEORGIAN TYPES

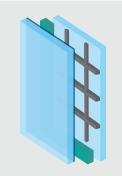




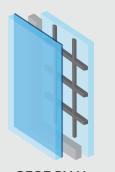
GEORGIAN CLARITY Ultra clear insulated glass unit with Georgian Bars



GEORGIAN TONE Tinted insulated glass unit with Georgian Bars



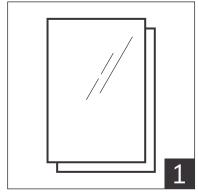
GEORGIAN SOLAR Solar-control coated insulated glass unit (pyrolytic/MSVD coated) with Georgian Bars



GEORGIAN PRO-1,2,3 and 4 Pyrolytic/single-silver low-E insulated glass unit (pyrolytic/ MSVD) with Georgian Bars



HOW IT IS MADE



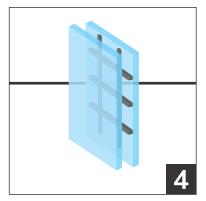
Select inner and outer glass



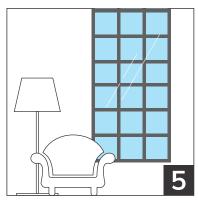
Select Georgian Bar type (01, 02, 03).



Select Georgian Bar colour



Insulation process to encapsulate bar assembly within glasses



Glass is ready for installation



UNIQUE SELLING POINTS



TIMELESS BEAUTY Vintage French window aesthetics with modern manufacturing technology

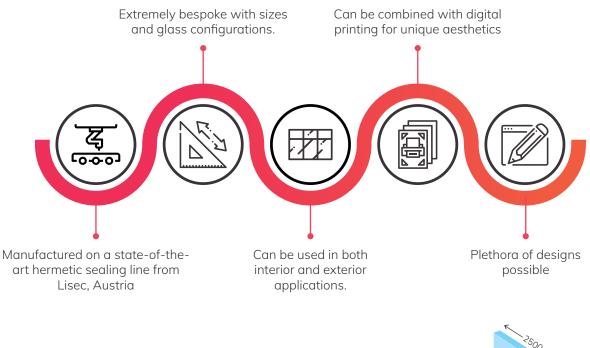


MAINTENANCE FREE Completely maintenance free with no dust accumulation



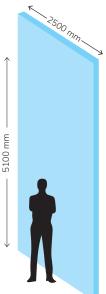
COLOUR OPTIONS Wide range of colour options possible

WHY VIVID GEORGIAN GLASS?



GEORGIAN SIZE

Our sophisticated factory infrastructure allows us to provide GEORGIAN in a wide size range, from Minimum 500 mm X 500 mm to 2500 mm X 5100 mm (30 mm to 46 mm)* enabling unmatched design flexibility without compromising on the performance.



WHERE CAN I USE GEORGIAN ?

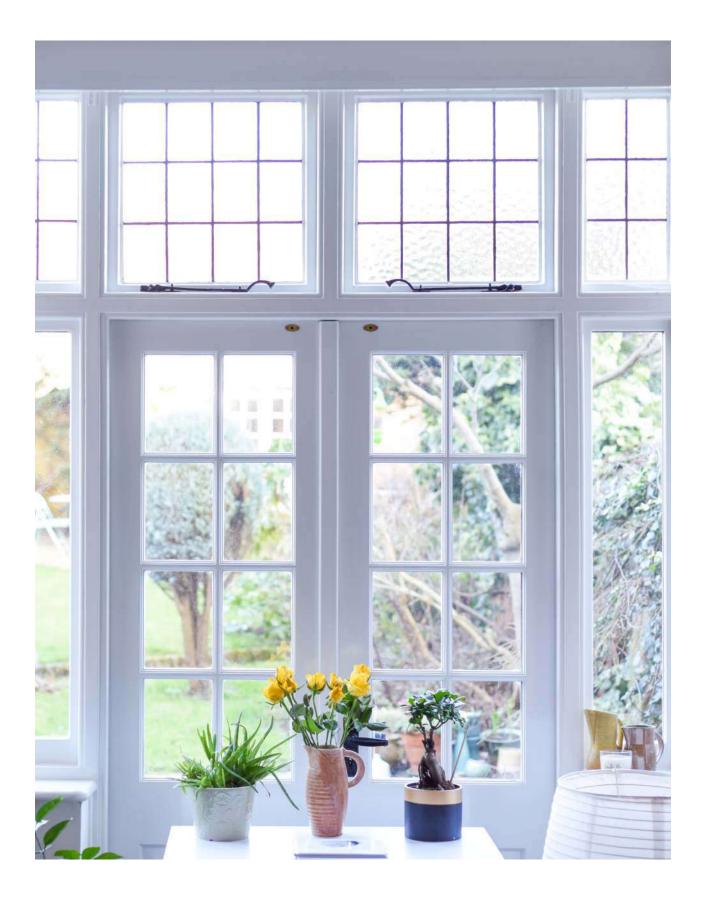






Interior partitions





TECHNICAL SPECIFICATIONS

FEATURE	MOTORIZED		
Technology	Special extruded aluminum profiles with custom joinery		
Surface Finish	Anodized or powder coated in custom RAL colours		
Air Gap between Panes	15 mm to 24 mm Edge Finish Arissed, rough ground or super polished		
Additional Process	Compatibility Ceramic-frit, sand-blast, digitecture [™] digital printing		
Product Enhancement	Can be converted to BURGLAR SHIELD , BULLET SHIELD and BLAST SHIELD		

PROFILE TYPES





MEDIA DISPLAY IN A NEVER BEFORE SCALE

G-SMATT MEDIA GLASS

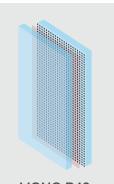
Media screens do not work with traditional façades as they obstruct views from the inside and require complicated installation processes. We bring you media glass from G-SMATT, a new-age façade product that integrates LEDs within the glass assembly. These panels offer complete transparency, are efficient, easy to install and maintain and super convenient. The LEDs are carefully integrated within the glass laminate, ensuring that all the electronics are 100% weatherproof and protected from the elements. With these unique panels, you can convert any building façade into a giant media screen without hampering visibility. Another significant advantage of these panels is their capability to be used in a facade with the same coated exterior aesthetics.

BECRET FOREST

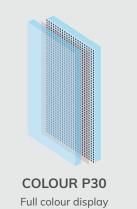
CAFE 1883

G-SMATT TYPES

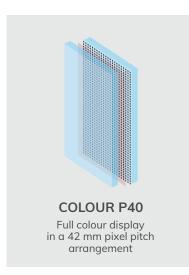


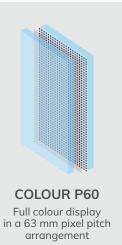


MONO P40 Mono colour display in a 42 mm pixel pitch arrangement



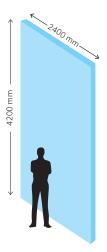
Full colour display in a 30 mm pixel pitch arrangement





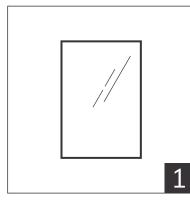
G-SMATT SIZE

One of the greatest advantages of G-SMATT panels is its extra-large format, available in a maximum size of 2400 mm X 4200 mm providing maximum viewing area.

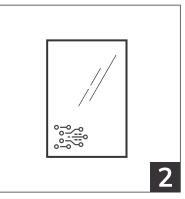


G-SMATT 82

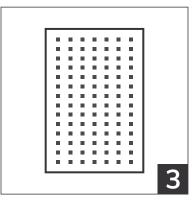
HOW IT IS MADE



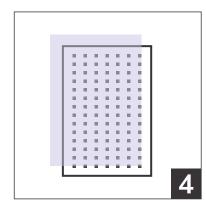
FTO glass Pilkington



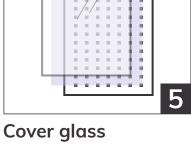
Laser Etching

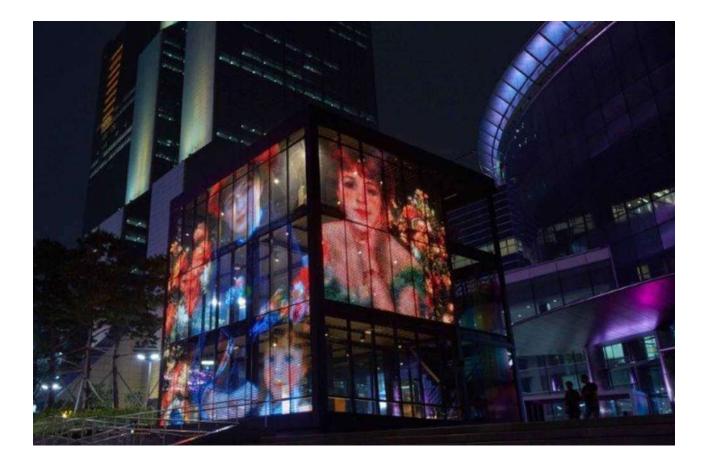


LED Chip Mounter



Interlayer application





UNIQUE SELLING POINTS



99.70% TRANSPARENCY The only media facade with no visible LED obstructions

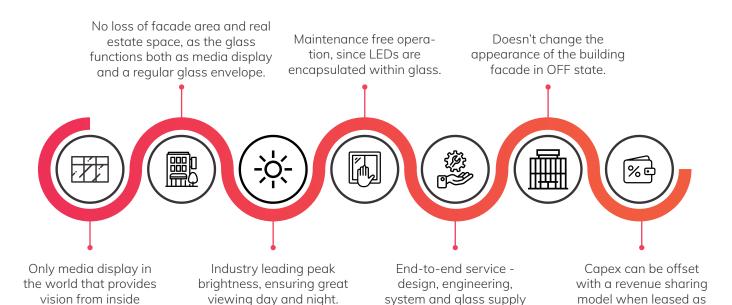


INSTALL FLEXIBILTY Can be installed as a new facade or a secondary skin



DURABILTY Weatherproof with over 100,000 hours of full power operations

WHY G-SMATT GLASS?





Mesh media façade - Building design compromised



and installation.

G-SMATT media glass - building design preserved

an advertising space.

WHERE CAN I USE G-SMATT ?



Facades



Interior partitions



Skylights and canopies



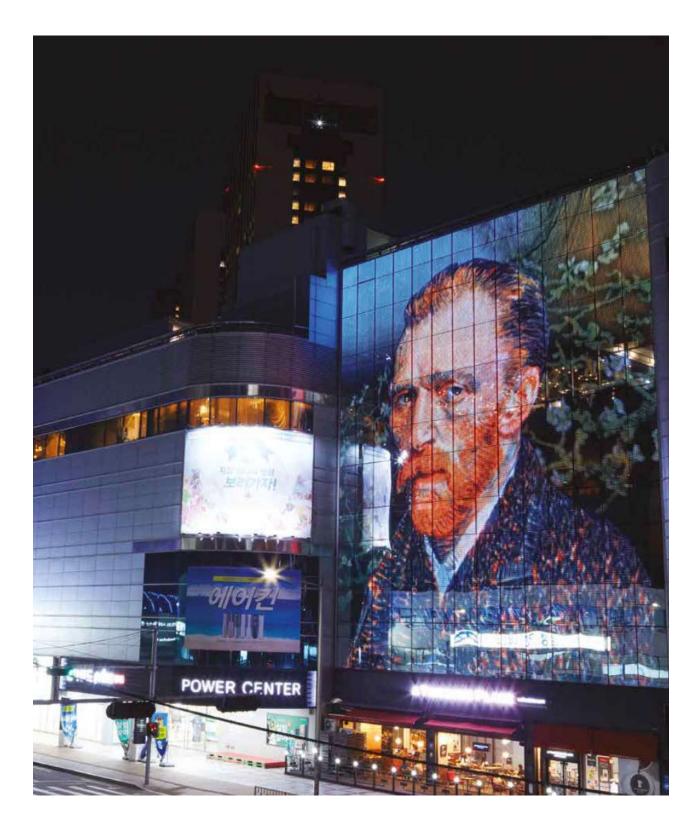
Entrance doors



Branding areas



Shop fronts



TECHNICAL SPECIFICATIONS

PRODUCT	MONO P30	MONO P40	COLOUR P30	COLOUR P	40 COLOUR P60		
Colour	Mono	Mono	Colour	Colour	Colour		
LED Arrangement	32 X 32	24 X 24	32 X 80	24 X 24	16 X 16		
Pixel	1024	576	2400	576	256		
Pixel Pitch	31.42 mm	42 mm	30 mm	42 mm	63 mm		
LED Make / Model	NICHIA / NESL157BT	NICHIA / NESL157BT	NICHIA / NESM026DT	NICHIA / NESM026DT	NICHIA / NESM026DT		
Viewing Angle	H: 140° V: 140°	° H: 140° V: 140°	H: 140° V: 140°	H: 140° V: 140° H: 140° V: 140°			
Brightness	3500 nit	4500 nit	2450 nit	2200 nit	5000 nit		
Luminous Flux	1085 lm	859 lm	340 lm	340 lm	350 lm		
Colour Depth	12 bit	12 bit	12 bit	12 bit	12 bit		
Weight	Appx 23 kg	Appx 23 kg	Appx 50 kg	Appx 23 kg	Appx 23 kg		
Glass Input Voltage / Current	24 VDC / 5.6 ADC	24 VDC / 4.2 ADC	45 VDC / 16.7 ADC	45 VDC / 4.0 ADC	45 VDC / 4.0 ADC		
Power Consumption (with SMPS)	170 WAC	125 WAC	937 WAC	220 WAC	220 WAC		
SMPS Input Voltage	100~240 VAC / 50 or 60 Hz depending on SMPS						

Life Time

>1,00,00 hours

Storage Temperature 40~80 °C Operating

Temperature

30~60 °C



Mesh media façade - obscured 'cage' view



G-SMATT media glass - Clear transparent view



1976 Group Founding Year

11 Factories and Offices

5 MillionPanels Installed

35 Countries Exported to

700 Projects Successfully Executed

1000+ Family Strength

650,000 Square Feet Factory Area

6 Group Companies

WHO WE ARE

Part of the Fishfa Group, FG Glass is among the world's leading architectural glass manufacturers. Over the last two decades, we have successfully completed a wide range of projects in more than 35 countries across 5 continents. Our rigorous quality standards and robust project management processes have been key factors in ensuring that our projects are delivered on time and on budget.

We have a well-established supplier network in Europe and the Americas and state-of-the-art manufacturing facilities in India and the UAE, which has enabled us to leave our footprint in multiple locations across the globe. We're constantly working on setting new standards in the glass industry and this has led to us being the glass supplier of choice for businesses around the world. Our partnership with Kuraray, a leading Japanese brand, has allowed us to bring the thinnest, clearest and fully-certified security glass to India.



FG GLASS INDUSTRIES PVT. LTD.

A-1204,Naman Midtown, Senapati Bapat Marg, Prabhadevi (W), Mumbai- 400 013, India. T: +91-22-4065 7777 | E: sales@fgglass.com | ↔ ♥ @ @ /fgglass

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