



MESH

DESCRIPTION

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 a 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 one-of-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.

PRODUCT FAMILY

1. MESH METAL FABRIC: Metallic coated fabric mesh (Sefar® and Syntarqui®)
2. MESH EXPANDED: Expanded aluminum mesh (GKD® or others)
3. MESH WOVEN: Woven metal mesh (GKD® or others)

GENERAL CHARACTERISTICS

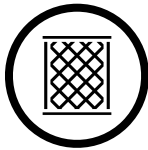
FEATURE	DESCRIPTION
Process Type	Nip-rolled or vacuum treated followed by autoclaving for laminated glass. Vertical, fully automatic assembly line for insulated glass.
Glass Types	Clear, extra clear, ultra clear, tinted, solar-control coated, low-E coated
Additional Process Compatibility	Ceramic-frit, digitecture™ digital printing, sand-blasting, acid-etching, holes, cutouts and notches
Product Enhancement	Can be converted from/to GLASSHIELD, CURVESHIELD, FACADESHIELD, BURGLARSHIELD, BULLETSHIELD, BLASTSHIELD and FIRE-SAFETY products
Glass Thickness Range	3 mm to 19 mm
Unit Thickness Range	6.38 mm to 100 mm for laminated glass. 24 mm to 100 mm for insulated glass.
Edge Types	Rough grind, arrissed, super polished
Interlayer Type	Kuraray SentryGlas® (USA), Kuraray Trosifol® (Japan/Germany), Eastman Solutia® (USA)*
Colour Types	Gold, silver, bronze, copper, titanium, chrome, red, aluminum and other custom-printed types

*Please consult our sales team for interlayer compatibility for the mesh type.

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 edge-sealing.

UNIQUE SELLING POINTS



MAINTENANCE FREE

Never before seen aesthetics in maintenance free form



IMPACT PROTECTION

Satisfies the highest criteria for impact safety



SOUND CONTROL

Excellent sound reduction for enhanced comfort

DIMENSIONS

FEATURE	DESCRIPTION
Minimum Size	200 mm X 300 mm
Maximum Size	1600 X 3000 mm*

* The maximum size depends on the mesh size available. Please consult our sales team for the maximum mesh size possible for the selected mesh

LABELLING

Each piece of MESH 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

MESH is manufactured as per BIS 2553: Part 1 (2018), BIS 17346, EN 12543, EN 1279, ASTM C1172, ASTM E2190 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
3. Dow Quality Bond® Member
4. Insulating Glass Certification Council (IGCC) - Certificate Number 5277 AA/PIB/S2

STORAGE

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