

# GB-1FB-1

## 800 g/m<sup>2</sup> Laminated Skin made out of Flax Fibres and Plant Based Resin

### Technical Product Data Sheet

Last Update: 02.04.2024



#### Description:

GB-1FB-1 is a laminated skin made out of flax fibers and plant-based resin system is designed for applications that require lightweight and sustainable materials.

#### Recommended Use:

It is recommended for secondary bonding with a suitable core material to create lightweight sandwich panels. This product offers excellent strength, stiffness, and durability, making it suitable for industries such as aerospace, automotive, marine, and construction.

Product Specifications	
Style	Laminated Skin
Process	Panel Press
Total weight	approx. 800 g/m <sup>2</sup> (+/-10%)
Resin/ Fibre	approx 55%
Reinforcement Fibres	GB-FBX-0390/ +/-45 Biaxial 390g/m <sup>2</sup> non crimp Flax Fabric
Standard Dimensions	2900 x 1250 mm/ 6000 x 2440 mm (both: +/- 2%)
Thickness	0,5mm (+/- 0,1mm)

#### Important Handling and Storage Instructions:

- Store the product in a cool, dry place, away from direct sunlight.
- Take measures to protect the laminated skin from excessive humidity, as it can affect the product's performance.
- Handle the product with care to prevent any damage during transportation or installation.

#### Preparation for Exposure:

Before exposing the product to the natural environment, it is crucial to follow these steps:

- Seal all surfaces and edges of the product with a UV filtering coating.
- Proper sealing is necessary to protect the laminated skin and ensure long-term durability and appearance.

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- Failure to execute the sealing process correctly increases the risk of discoloration, primarily affecting the product's appearance and to potentially also its strength properties.
- It is important to adhere to these instructions to maintain the appearance and performance of the product.

Packaging details	
Standard Dimensions	2900 x 1250 mm / 6000 x 2440 mm
Transportation Method	stacked or rolled up
Net weight	Approx. 4 Kg/ /16 Kg

### Surface Finish Recommendation:

- Unless ordered otherwise the skins are delivered as: "Moulded Surface".
- Ensure the surface of the skin is clean, dry, and free from contaminants.
- Sand the surface with a fine-grain sandpaper (grain size 400)
- For Clear Coat Finish: Apply multiple layers of clear polyurethane varnish to protect the laminated skin and enhance its appearance. Follow the varnish manufacturer's instructions for application and drying times.

### Safety Precautions:

The product is made from flax fibers and a plant-based resin system, which are considered non-hazardous materials. However, standard safety precautions should be followed during handling, including wearing appropriate personal protective equipment (PPE) and ensuring adequate ventilation.

### Disclaimer:

The information provided in this technical data sheet is believed to be accurate and reliable. However, it is the responsibility of the customer to verify the suitability of the product for their specific application. The manufacturer shall not be liable for any direct, indirect, or consequential damages arising from the use or misuse of the product.

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