

LOW DENSITY® LAMINATES IN MAT-WOVEN ROVING

GENERAL DESCRIPTION

This range of products has been developed by suitably modifying the Vetrolite technology to make it possible to obtain, even in the slimmest thicknesses, considerable savings in weight and greater flatness with the same quantity of fibre compared to a traditional laminate. It can be produced in a wide range of RAL colours and also in custom colours. In general this laminate offers:

- Lightness
- Good resistance to atmospheric agents
- High UV stability
- Good chemical resistance
- Good electrical insulation
- Good abrasion resistance
- Easy cleaning

SUGGESTED APPLICATIONS

Laminates with gelcoat

Motorhomes and caravans: production of panels for interior and exterior side walls

Commercial vehicles: production of panels for internal and external side walls

Buses: production of panels for internal and external side walls

Refrigerated vehicles: production of panels for internal and external side walls

Posters

Laminates without gelcoat

Floors for campers, caravans, refrigerated vehicles and buses

MAIN CHARACTERISTICS

Fibre	MAT – WOVEN ROVING	
Thickness	mm	1,5 - 2,9 with gelcoat 1,2 – 2,6 without gelcoat
Weight	kg/ m ²	2,0 – 3,6 with gelcoat 1,7 – 3,3 without gelcoat
Finishing	external	- glossy and matt gelcoat - no gelcoat
	back	- mechanically sanded - smooth - rough

SPECIFIC PROPERTIES

<i>Properties</i>	<i>Method</i>	<i>Results</i>
Free styrene content	EPA 8015D	< 1% by weight
Thermal conductivity	ISO 8302	0,065 W/mK
Resistance to vapour flow	UNI EN 12086 :1999	50.000< μ <90.000
Operating temperature	-	-20°C up to 50°C
Food contact	Directive 2002/72/CE	Suitable
Water absorption	Internal method	<0,5% by weight
Mechanical Properties	LINK data sheet	

FORMATS

	<i>length</i>	<i>width</i>	<i>Tolerance</i>
ROLLS	Max 60 m	1800-3400 mm	Width: \pm 2mm
SHEETS	On request	1800-3400 mm	Length: \pm 3mm Width: \pm 3mm

STORAGE AND USE

For optimal use, the material (also with protective film) should be stored indoors. Before use, it is advisable to condition the material at room temperature for 24 hours.

The protective film can be kept until the end of the production cycle to protect the surface from scratches and processing defects. However, it should be removed before outdoor exposure as it is not intended for protection against corrosion, moisture or chemicals.

The material must be handled by means appropriate to the size and shape of the product, paying particular attention to the edges. The use of forklifts with grippers is recommended for handling rolls.