



TECHNICAL DATASHEET	Rev: 25.11.2007
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FIRELINER FPG MKII 0.5/12.7

Description

The panel is specially developed to provide an aesthetic surface combined with fire protection for polymer composite structures, and have DNV type approval and MED-B&D approval (Wheelmark) as a “Fire Restricting material” according to IMO Code for High Speed and Light Craft and IMO Res. MSC.40(64)

The FPG MKII panels have a 0.4 mm foil faced glass fibre reinforced laminate on one side of a lightweight composite core (FIRECORE). The foil facing of the FPG-MKII panels are hard and scratch resistant, due a special top layer.

The surface is easy to clean, UV-stable and resistant to most chemicals. The core in the panel is compression resistant and flexible, and gives good insulation and fire protection of the underlying structure.

Surface

The foil layers are very thin and smooth. Surface is half glossy.

Colours

A range of colours is available. Ask for colour card and samples. Colour requirements have impact on price, and the eggshell white standard colour (RAL9001) is the most economic grade.

Thickness

To fulfil the requirements of the type approval certificate, the thickness of the product is

minimum 12.7 mm. Other thickness is available on request.

Weight

Thickness(mm)	Weight (kg/m ²)
12.7 (std)	2.8 + profile system

Strength

Compression strength >1.2 MPa (core)
 Flexural strength > n.a MPa
 Flexural module > n.a MPa

Panel size

The standard sizes are:

Thickness (mm)	Panel size (mm)
12.7	2440 x 600
	2440 x 1200

Other sizes available upon request, with the upper limitation of 1250 mm width and 3000 mm length

Water and chemical resistance

The surface:

Very good water, chemical and UV resistance.

The core backing:

Absorbs maximum 15 % of water when immersed, without any change of dimensions. Dries out easily. Resistant to most chemicals - more information available on request.

Typical application areas

Ideal for areas with moderate to high “wear and tear”, and with moderate requirements for impact of sharp objects. Examples includes corridors, shipsides/bulkheads, toilets, laundry, shower etc.