

X FIRE™

**FIRECORE
FIRELINER
FIREBARRIER**



TECHNICAL DATASHEET

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FIREBARRIER FPG30 BHD

Description

The FIREBARRIER FPG30 BHD panel system is a two layered hard cored fire insulation system systems for 30 min load carrying Fire Resisting divisions (FRD30) in accordance to IMO High Speed Craft Code and IMO FTP Code/IMO Res. MSC 45(65). The system is also classified as a Fire Restricting Material in accordance to IMO Res. MSC 40(64).

The system is specially developed to provide an aesthetic surface combined with fire protection. It is designed for application on most types of Fibre Reinforced Plastic (FRP) structures, with or without sandwich cores.

First layer towards the structure to be protected is a 25 mm lightweight composite core (FIRECORE). Second layer is a 12.7 mm panel with same type of core band with a surface of a 0.4 mm foil faced glass fibre reinforced laminate (FIRELINER FPG-MKII).

The surface is very smooth, easy to clean, UV-stable and resistant to most chemicals. The core in the panels is compression resistant and flexible, and gives the required fire protection of the FRP 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 is the most economic grade (RAL9001).

Weight & Thickness

To fulfil the requirements of the type approval certificate, the thickness of the system is 12.7 mm + 25 mm. Other thicknesses for other fire requirements is available on request.

Weight & Thickness

Thickness(mm)	Weight (kg/m ²)
12.7 + 25	2.8 + 3.0 + 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:

Layer (mm)	Panel size (mm)
1 (FIRELINER)	2400 x 600
2 (FIRECORE)	2400 x 1200

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

Water and chemical resistance

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

Areas with moderate to high "wear and tear", and with moderate requirements for impact of sharp objects. Examples includes corridors, lower part of walls/bulkheads, toilets, laundry, shower, etc

