

X FIRE™

**FIRECORE
FIRELINER
FIREBARRIER**



TECHNICAL DATASHEET

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FIRELINER FPG 0.5/3.0

Description

The FIRELINER FPG 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 panels are hard and scratch resistant, due a special top layer.

The surface is smooth, half glossy, 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.

The panels and fastening system is developed especially for protection of composite structures used in Naval platforms: The FPG panels of 3 mm thickness have qualified as a “10 min Fire Restricting material” according to DNV’s High Speed., Light Craft and Naval Surface Craft rules (Pt.5, Ch14, Sec 11) when used as protection for composite (FRP) vessels. (IMO Res. MSC.40(64), test in 10 minutes)

Colours

A limited 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 DNV requirements for fire protection of Naval FRP structures, the panel must be minimum 3 mm thick.

Weight

Thickness(mm)	Weight (kg/m ²)
3.0 (std)	1.25 + fastening system

Strength

Compression strength >1.5 MPa (core)
Flexural strength > n.a MPa
Flexural module > n.a MPa

Panel size

The standard sizes are:

Thickness (mm)	Panel size (mm)
From 3	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

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