

X FIRE™

**FIRECORE
FIRELINER
FIREBARRIER**



TECHNICAL DATASHEET

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FIREBARRIER SS BHD

Description

The FIREBARRIER SS30 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 a non-combustible and hygienic 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, with a surface of a 0.4 mm stainless steel surface with droplet pattern (FIRELINER SS 0.4/12.7).

The surface is smooth, easy to clean and non-combustible.

The core in the panels is compression resistant and provides a backing to allow for thin sheet steel surface. It also gives the required fire protection of the FRP structure.

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	5.1 + 3.0 fastening 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 SS)	2400 x 614 x 12.7
2 (FIRECORE)	2400 x 1200 x 25

Water and chemical resistance

Surface:

Very good water and chemical resistance.. Non-combustible and ideal for hygienic purposes

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

Wet areas, galleys, fuel/oil treatment areas etc.

