

X FIRE™

**FIRECORE
FIRELINER
FIREBARRIER**



TECHNICAL DATASHEET

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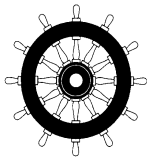
FIRELINER CF-ALU 10.5

Description

The FIRELINER CF-ALU panels have an aluminium foil coated glass weave on one side of a lightweight composite core (FIRECORE). The foil facing of the CF-ALU panels are providing a smooth, vapour and liquid resistant surface.

The surface is smooth, easy to clean, UV-stable and resistant to most chemicals. The core in the panel is compression resistant and with good flexural strength, 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 high speed crafts that has to comply to the IMO HSC code for composite (FRP) vessels, and is qualified as "Fire Restricting Material" in accordance to FTP Code Part 10, and has MED-B and D certificates.



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Colours

Only natural aluminium foil colour is currently available.

Thickness

To fulfil the MED-B certificate limitations, the panel must be minimum 10.5 mm thick.

Weight

Thickness(mm)	Weight (kg/m ²)
10.5 (std)	1.87 + 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)
10.5	2440 x 600

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. Long term salt deposits may cause corrosion damage to surface

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 "wear and tear", areas with risk of oil, fresh water and fuel spill. Typical application is for technical rooms (machinery, electric/instrument/HVAC rooms ,stores..)

