

ELITE FRP Standard

Product

Elite FRP standard is a durable, semi-rigid building material made of fibreglass reinforced plastic (frp).

Purpose

Elite FRP panels are designed for interior wall finishes where a durable, hygienic, easy to clean surface is required.

Certification and Identification

1. The panel has a Class '3' flame spread (per BS476 Part 7).
2. FRP does not support mould or mildew (per ASTM D3273 and ASTM D3274).

Operational Temperature Range

Panels will perform in temperatures from -40°C (-40°F) to 54°C (130°F).

Design Data

Nominal Thickness	Colour Options	Size	Finish
2.3mm	white cream beige grey ivory silver	1200mm x 2400mm, 3000mm	Embossed or smooth

Physical Properties

Property	Typical Value	Test Method
Flexural Strength	17000 PSI	ASTM D790
Flexural Modulus	6.0 x 10 ⁵ PSI	ASTM D790
Tensile Strength	8000 PSI	ASTM D638
Tensile Modulus	9.43 x 10 ⁵ PSI	ASTM D638
Barcol Hardness	30	ASTM D2583
Izod Impact Strength	7.0 ft-lb/in	ASTM D256
Coefficient of Linear Thermal Expansion	2.22 x 10 ⁻⁵ in/in/°F	ASTM D696
Water Absorption (%)	0.17%/72 hrs @ 21°C (70°F)	ASTM D570
Flash Ignition	430 deg C	
Surface Burning Characteristics	Class '3'	BS476 Part 7
Taber Abrasion Resistance	1.6138% max wt loss	Taber Test