

# ELITE FRP® (Standard)

## Product

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

## Purpose

Elite FRP® panels are designed for interior wall and ceiling 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	1200mm x 2400mm or 3000mm	Embossed or smooth

## Physical Properties

Property	Typical Value	Test Method
Flexural Strength	17000 psi	ASTM D790
Flexural Modulus	6.0 x 105 psi	ASTM D790
Tensile Strength	8000 psi	ASTM D638
Tensile Modulus	9.43 x 105 psi	ASTM D638
Barcol Hardness	30	ASTM D2583
Izod Impact Strength	7.0 ft-lb/in	ASTM D256
Gardner Impact Strength	2.22 x 10 <sup>-5</sup> in/in <sup>2</sup> °F	ASTM D696
Coefficient of Linear Thermal Expansion	0.17%/72 hrs @ 21°C (70°F)	ASTM D570
Water Absorption (%)	430 deg C	
Surface Burning Characteristics	Class '3'	BS476 Part 7
Taber Abrasion Resistance	1.6138% max wt loss	Taber Test