



the knowledge to produce solutions



frp glasbord®
wall & ceiling panels



glasbord®

frp wall & ceiling panel system



Glasbord fibreglass reinforced plastic (FRP) wall and ceiling liner panels are designed for commercial buildings that require a sanitary and durable finish that meet Australian Standards, Factory Mutual, HACCP, AQIS, FSIS and USDA requirements.

Glasbord has a unique surface finish called Surfaseal® which has been chemically fused to the polyester resin. This specially treated surface makes Glasbord up to ten times easier to clean than other frp panels and up to six times more stain resistant.

It is a durable, flexible and moisture resistant building material that will not mould, mildew, rot or corrode. Glasbord exhibits excellent resistance to a wide range of chemicals, moisture and UV. The panel has a Class 1 and Class 3 rating for flame spread and development when tested per ASTM E-84.

Glasbord is ideal for:-

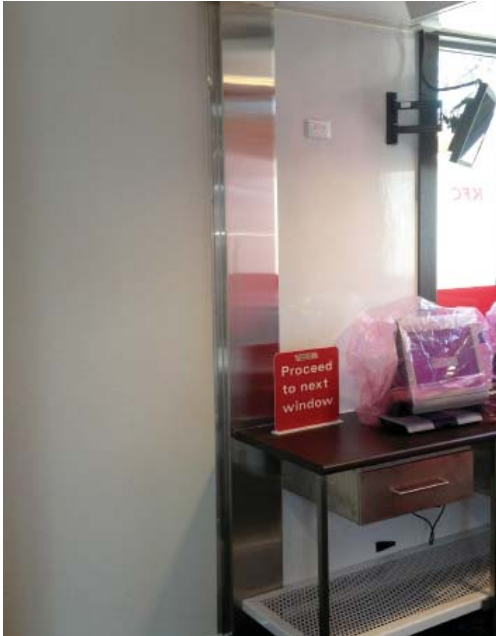
- Commercial kitchens
- Food processing plants
- Supermarkets
- Laboratories
- Chemical processing plants
- Public rest rooms
- Kennels
- Schools & Day Care Centres
- Refrigerated Warehouses
- Correctional Facilities



Properties	Embossed Wall Panels	Smooth Wall Panels	Test Method
Product Code	PIF	PSIF	-
Surface Finish	Smooth Embossed	Smooth Flat	-
Nominal thickness	2.3mm	1.9mm	-
Width x Length	1.220m x 3.050m	1.220m x 3.050m	-
Flexural strength	59 MPa	97 MPa	ASTM D790
Flexural modulus	2413 MPa	5171 MPa	ASTM D790
Tensile strength	34 MPa	48 MPa	ASTM D638
Tensile modulus	4137 MPa	4826 MPa	ASTM D638
Barcol hardness	35	45	ASTM D2583
Izod impact strength	0.32 J/mm	0.21 J/mm	ASTM D256
Gardner impact strength	3.4J		ASTM D3029
Coefficient of linear thermal expansion	29 $\mu\text{m}/\text{m } ^\circ\text{C}$	36 $\mu\text{m}/\text{m } ^\circ\text{C}$	ASTM D696
Water absorption	0.16% / 24hrs @ 25°C	<0.75% / 24hrs @ 25°C	ASTM D570
Surface burning characteristics	Class C	Class C	ASTM E84
Taber abrasion resistance	0.01% max wt loss	0.005% max wt loss	Taber Test
	White, Colonial White, Ivory, Stone, Beige, Silver, Pearl Grey, Black	White, Grey, Ivory	-

glasbord®

the only frp with Surfaseal



Moisture resistant

Glasbord's entire panel is moisture resistant - not just the surface. It does not support mould or mildew, and it will never rust or corrode even in wet or humid environments.

Easy to clean

Glasbord's surface allows dirt and grease to be cleaned off quickly and easily using a mild cleanser and a soft brush. The Surfaseal finish is extremely resistant to most stains and chemicals.

Tough

Glasbord fibreglass reinforced plastic is designed and engineered to be extremely tough. Highly resistant to impact, scratches and abrasions. Glasbord is up to two times more abrasion resistant than other frp panels - ideal in applications where conditions are harsh and durability is a must.

Easy to install

Glasbord panels can be cut and drilled for quick, easy installation.

Accessories

Colour-coordinated mouldings and rivets are available to complete the installation.

How does Glasbord compare?

The superior qualities of Glasbord with Surfaseal are unsurpassed by any other type of product. These product comparisons easily show the advantage of using Glasbord over other types of building materials.

Material	Clean ability	Abuse resistance	Replacement cycle	Cost
Glasbord with Surfaseal	Best	Best	Lasts for life of building	Medium
Ceramic tile	Good - but grout lines can be difficult to clean	Good - but tiles can crack upon impact	Life of building - but grout may need replacing	High
Stainless Steel	Good	Good - can dent and scratch	Life of building	High
Painted Drywall	Poor	Poor - will crack, dent and scratch	Needs to be repainted often	Low
Concrete block	Poor	Good - will fracture/chip with moderate impact	Must be sealed or painted often	Low

Glasbord Accessories

- **Standard Glasbord Moulding** - contractor grade mouldings perfect for use with Glasbord panels. Available in 3.050m lengths.
- **Nylon drive rivets** - Non-staining nylon drive rivets in matching panel colours are designed for quick and easy installation.
- **Titebond Greenchoice FRP Fast Grab Adhesive** - suitable for many common porous building materials including drywall.
- **FRP Panel Roller** and **V-Notched Trowel**



technical hotline: 1800 051 100

about dct

DCT has been serving the Australian building industry with an extensive portfolio of technically advanced thermal insulation, geosynthetic membranes, rainscreen cladding brackets and fibreglass reinforced plastic wall and ceiling liner panels - which have been tried and tested to Australian building codes and standards.

This diverse portfolio provides DCT with the ability to consider the building envelope holistically and hence develop a 'total system solutions' for a wide range of building applications. DCT total system solutions incorporate high-performance building materials and innovative solutions which are designed to meet the continuously evolving requirements of the Australian building industry.

DCT total system solutions address the risk of interstitial condensation, affords BCA, NCC and Greenstar compliant thermal efficiency and optimum acoustic and fire performance.

Ensure you specify the right system for the right application, look for the orange 'Powered by DCT' stamp of approval.



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