

TECHNICAL PROPERTIES

APRIL 2025

1. Product Description

IBS FIBRE® Gloss is a premium fibre cement board designed to meet the needs of both homeowners and builders. This innovative product offers exceptional durability, ease of installation, and a stunning high-gloss finish, making it the ideal choice for a wide range of wet area applications.

2. Applications

IBS FIBRE® Gloss is ideal for Partitions in wet areas like industrial kitchens, labs, washrooms, High traffic locations of hospitals, corridors, shopping centres and schools. Great for wet area ceilings ,bathroom lining, shower lining.

3. Benefits

IBS FIBRE® Gloss, the ultimate solution for achieving a flawless, high-gloss finish for all your wet wall lining needs;

- Moisture, mould and water resistant
- Impact resistant
- Dimensionally stable
- Easy to work and install

4. Dimensions and tolerances:

Available Dimensions

Product	Thickness (mm)	Width x Length (mm)
IBS FIBRE® Gloss	16.9	2400 x 900 x 6

Component Properties

Component Name	CAS Number	UN Number	EINECS
Portland Cement(Calcium Silicate)	66997-15-1	Not a hazardous material	AS/NZS 2908.2
For shipping purposes	266-043-4	<60%	AS/NZS 2908.2
Quartz Sand	Straightness of Edges	≤: 1mm/m	AS/NZS 2908.2
Crystalline Silica	14808-60-7	Not a hazardous material	AS/NZS 2908.2
For shipping purposes	238-878-4	<30%	AS/NZS 2908.2
Wood pulp (Cellulose)	9004-34-6	Not a hazardous material	ASTM C1185
For shipping purposes	232-674-9	<10%	ASTM C1185
Other non-hazardous ingredients(pigments, fillers, and surface coatings)		<5%	

Thicknesses, sizes, and types of the sheets which differ from those available as standard, are available subject to minimum order quantities. Please contact IBS Sustainable Building Products for more information.

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5. Technical Properties

The product has been tested based on internationally recognized standards and test methods for the fiber cement flat sheet and building material requirements such as EN 12467, AS/ NZS 2908.2 ASTM C1185, BS 476 relevant parts on material reaction to fire and EN13501 fire classification standards.

Parameter	Value	Standard
Apparent Density	>1300kg/m ³	AS/NZS 2908.2
Tolerance on Length, Width and Thickness	Length: ≤±2mm Width: ≤±2mm Thickness: ≤10%	AS/NZS 2908.2
Straightness of Edges	≤: 1mm/m	AS/NZS 2908.2
Squareness of Edges	≤: 1mm/m	AS/NZS 2908.2
Bending strength (Type A, category 3)	≥10MPa	AS/NZS 2908.2
Moisture content	8-13%	ASTM C1185
Water adsorption	32±2%	ASTM C1185
Moisture movement	<0.25%	AS/NZS 2908.2
Water permeability	No formation of drops of water on the under-side of the specimen after 24h	AS/NZS 2908.2
Warm water	Passed(Li=0.95)	AS/NZS 2908.2
Freeze-thaw	Passed(50 cycles)	AS/NZS 2908.2
Heat rain	Passed(50 cycles)	EN12467:2012
Soak-dry	Passed(50 cycles)	EN12467:2012
Reaction to fire	Class A1	EN12467:2012
Combustion performance	Non-Combustible	AS 1530 Part 3:1999
Fire Hazard Properties Ignitability Index Spread of Flame Index Heat Evolved Index Smoke Development Index	0 0 0 0-1	AS 1530 Part 3:1999

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6. Health and safety aspects

During the mechanical machining of panels, airborne dust which may be hazardous to health, may be released. Avoid direct contact of dust with skin and eyes as they may cause irritation. The use of dust extraction equipment is advised. Respect regulatory occupational exposure limits for total inhalable and respirable dust. For more information, please check the Material Safety Data Sheet before working with the product.

7. Certification

All IBS products are manufactured in accordance with ISO standards. IBS has earned CodeMark Certification, and the certificates are available for download at www.ibs.co.nz.

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