pelican systems

jumbo

Fibre Cement Boards

JUMBO Fibre Cement Board is manufactured using an autoclave process to compress top quality cement with natural fibers. The result is an elegant, eco-friendly and extremely durable fiber cement board that provides the perfect base for diverse applications in architecture and interior design.

Thickness	Length	Edge Detail	Density
4mm	2400 / 2700 / 3000mm	Square Edge	Medium

Applications:
Indoor Ceiling / False Ceiling
Eaves, Arch and Attic Ceiling
Eaves and Soffit Lining

The product has undergone multiple test for physical, mechanical, fire resistance and durabilty.

Physical Properties	Unit of Measure	Fibre Cement Board	Standard Test Method
Thickness Tolerance	%	+/- 8%	ASTM C1185
Density	kg/m^3	1,300 +/- 50	ASTM C1185
Water Absorption	%	Max. 35	ASTM C1185
Moisture Resistance	%	≤15%	ASTM C1185
Mould Resistance		Pass	ASTM D3272
PH Value		7- 8	ISO 10390-2005
Water Tightness		Pass	ASTM C1185
Mechanical Properties	**Unit of Measure**	**Fibre Cement Board**	**Standard Test Method**
Modulus of Rupture at EMC (Avg.)	MPa	>10 (EMC)	ASTM C1185
Modulus of Elasticity on Machine Direction (EMC)	MPa	>5,000 (EMC)	ASTM C1185
Modulus of Rupture on Wet (Avg.)	MPa	>7 (Wet)	ASTM C1185
Modulus of Elasticity on Machine Direction (Wet)	MPa	>4,000 (Wet)	ASTM C1185
Fire Resistance Properties	**Unit of Measure**	**Fibre Cement Board**	**Standard Test Method**
Ignitibility		Pass	BS476 Part 5
Fire Propagation Index		Pass	BS476 Part 6
Surface Spread of Flame		Pass	BS476 Part 7
Smoke Development Index (SDI)		Pass	ASTM E84-00a
Flame Spread Index (FDI)		Pass	ASTM E84-00a
Durability	**Unit of Measure**	**Fibre Cement Board**	**Standard Test Method**
Heat / Rain Resistance		Pass	ASTM C1185
Warm Water Resistance		Pass	ASTM C1185
Freee / Thaw Resistance		Pass	ASTM C1185
Soak / Dry Resistance		Pass	BS EN 12467:2000

ASTM – American Standard | ISO – International Standards | BS – EN – British Standard – European Norms

Manufacturer's Certification
ISO14001 for Environmental Management from ISO Standard AJA EQS of the United Kingdom.
ISO9001:2008 for Quality Management from the International Standard Institute for Head Office, Manufacturing Plants and Distribution Channels.