

HEAVY DUTY FIBRE CEMENT BOARD - TECHNICAL DATA SHEET

DESCRIPTION	UNIT	STANDARDS	VALUE
Apparent Density	Kg/m ³	ISO 8336	>1400
Minimum Modulus of Rupture (MOR): (at EMC)	Mpa	ASTM C 1185	24
Minimum Modulus of Rupture (MOR): (In wet conditions)	Mpa	ASTM C 1185	15.61
Impact Strength (Charpy Method)	KJ/m ²	ASTM D 256	9.0 for 6mm, 12.0 for 9mm
Adhesion/Lamina Bond Strength	Mpa	ASTM D 1037	2.1
Direct Screw Withdrawal Strength	N	ASTM D 1037	1750
Thermal Conductivity at 50 ^o C (mean temperature)	W/mK	ASTM C 518	0.0862
Linear coefficient of thermal expansion	mm/mm/ ^o C	ASTM C 696	9.4 x 10 ⁻⁶
pH value			9 - 10
Acoustic Insulation	dB	BS 2750	32 dB for 6mm

Early Fire Hazard Indices as per AS-1530 part III	
PROPERTY	RESULT
Ignition Index	0*
Ignitability	0*
Heat Evolved Index	0*
Flame Spread Index	0*
Smoke Developed Index	0*

Resistance to Fire as per BS-476	
PROPERTY	RESULT
Combustibility	non combustible as per BS 476 Part IV
Ignitability	Class "P"-not easily ignited, as per BS 476 Part V
Fire Propagation Index	Passes as per BS 476 Part VI
Surface Spread of flame	Class - 1, as per BS 476 Part VII

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