



# MSB BOARD

## Comparisons

Attributes	MSB Board	Gypsum Board	Plywood/OSB	Cement Board
Environmentally/Non-Toxic	Yes	No	No	No
Recyclable	Yes	No	No	No
Non-combustible	Yes	No	No	Yes
Water & Moisture Resistant	Yes	No	No	Yes
Mould & Mildew Free	Yes	No	No	Yes
Insect Resistant	Yes	No	No	Yes
Cut/Saw - No Special Tools	Yes	Yes	Yes	No
Wall Paper Over	Yes	Yes	No	No
Tile Backer	Yes	No	No	Yes
Insulation & Sound & Heat	Yes	No	No	Yes
Strong & Durable	Yes	No	Yes	Yes
Light Weight	Yes	Yes	No	No
Fastener Strength	Excellent	Poor	Excellent	Poor

## Technical Data

Test & Performance Requirements	Test Standard	Test Results
Reaction to Fire	EN 13501-1+A1:2010	A1
Density (pcf)	ASTM C1185-08(2012)	59.74
Edge Straightness	ASTM C1185-08(2016)	Length: 0.6mm/m
		Width 0.8mm/m
Tensile Strength (mPa)	ETAG 016:2013	1.7
Tensile Modulus (mPa)	ETAG 016:2013	20.4
Linear Moisture Movement Lm (%)	EN 12467:2012	0.096
Nail Head Pull Through	ASTM D1037-12	1817 N
Moisture Movement	ASTM C1185-08(2016)	Linear change in length direction: 0.10%
		Linear change in width direction: 0.10%
Flexural Strength (psi)	ASTM C1185-08(2016)	Parallel: 3070
		Perp. : 2,941
Modulus of Elasticity (psi)	ASTM C1185-08(2016)	Parallel: 861250
		Perp. : 824662
Bending Strength	EN 12467:2012+A2:2018 5.4.4	B2 : Average 10.2MPa
Chloride Content	ASTM C871-18	0.03%

