

Data Sheet 20mm		Magply® Magnesium Oxide Board	
Company information			
<p><u>Manufacturer:</u> IPP Ltd Bradwell Hall Bradwell on Sea Essex CM0 7HX Tel: 0044 (0)1621 776252, Fax: 0044 (0)1621 776688</p>			
Board Sizes & Weights			
<u>Board Size</u> 1200mm x 2400mm (2.88m ²)	<u>Weight per board (21.88 kg/m²)</u> 63kg		
Thermal Properties			
Thermal Conductivity (λ)	0.19 W/mK		
Thermal Resistance (R)	0.105 m ² K/W		
Fire Performance			
BS EN 476 (Parts 6&7) Euroclass EN13501	Class 0 A1 (Non-Combustible)		
Physical & Chemical Properties			
<u>Appearance:</u>	Solid flat sheet board	<u>Colour</u>	White
<u>Odour:</u>	Odourless	<u>Change of State:</u>	None
<u>Melting point:</u>	2400°C	<u>Ignitability:</u>	N/A
<u>Spontaneous ignition:</u>	N/A	<u>Explosion hazard:</u>	N/A
<u>Oxidising properties:</u>	N/A	<u>Vapour pressure:</u>	N/A
<u>Density</u>	1100 g/m ³	<u>pH level:</u>	7.5
<u>Solubility:</u>	Insoluble in Water		
Compressive Strength			
Area:	2500mm ²		
Max Load:	45.5kN		
Compressive Strength	18.18 MPa		
Amount of Compression	9.14mm		
Compression Rate	18.3%		

Stability and Reactivity

Special physical conditions to be avoided

None

Incompatible Materials

Not known

Hazardous Decomposition Products

None

Reaction to Frost

Magply is freeze/thaw resistant

Reaction to Moisture

Magply is breathable and water-resistant. Passage of moisture does not affect its structure

Reaction to Insects/Rodents

Magply is inert and has no nutritional value, rendering it unattractive to insects and rodents.

Fixings, Sealants, Adhesives

It is considered good practice that stainless steel fixings are used with Magply and screws should have a thread the whole length of the shank (to the tip) for maximum strength and resistance. Specialist details are available.

The length of fixings depends on national regulations and applications. As a guide, the fixing should be a minimum of 28mm plus the thickness of the board

For standard drywall applications, a minimum 12 μ galvanised or phosphate coated fixing along with standard jointing and taping. For fire resistant applications, an intumescent sealant should be used.

Magply must be prepared with a nano-particle acrylic dispersion before plastering, rendering, wallpapering and painting if required. PVA primers are not recommended.

Cutting

Magply is easily cut to size using the score and snap method using a utility knife. Mark the area out with a pencil and straight edge ensuring the reinforcing mesh is cut through. Mechanical cutting is also possible; please see Magply COSHH sheet for more details.

Liability

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