

Data Sheet 20mm		Magply®	
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

When fixing Magply, 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.

When plastering and finishing, Magply should be treated as a high suction surface. Please refer to and follow the plaster manufacturer's application instructions for appropriate guidance to suit your site conditions.

If required, Magply can be prepared with a nano-particle acrylic primer when being used in wet or exposed areas

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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