

<b>Data Sheet 12mm</b>		<b>Magply®</b>	
<b>Company information</b>			
<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>			
<b>Board Sizes &amp; Weights</b>			
<u>Board Size</u>		<u>Weight per board(13.19kg/m<sup>2</sup>)</u>	
1200mm x 800mm (0.96m <sup>2</sup> )		13kg	
1200mm x 2400mm (2.88m <sup>2</sup> )		38kg	
<b>Thermal Properties</b>			
Thermal Conductivity ( $\lambda$ )		0.19 W/mK	
Thermal Resistance (R)		0.063 m <sup>2</sup> K/W	
<b>Fire Performance</b>			
BS EN 476 (Parts 6&7)*		Class 0	
Euroclass EN13501*		A1 (Non-Combustible)	
<b>Physical &amp; Chemical Properties</b>			
<u>Appearance:</u>	Solid flat sheet board	<u>Colour</u>	White
<u>Odour:</u>	Odourless	<u>Change of State:</u>	None
<u>Vapour Resistance</u>	0.31 MNs/g (EN ISO 12572)		
<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 <sup>3</sup>	<u>pH level:</u>	7.5
<u>Solubility:</u>	Insoluble in Water	<u>Acoustic:</u>	Rw 29dB
<b>Stability and Reactivity</b>			
<u>Special physical conditions to be avoided</u> None			
<u>Incompatible Materials</u> Not known			
<u>Hazardous Decomposition Products</u> None			
<u>Reaction to Frost</u> Magply is freeze/thaw resistant			
<u>Reaction to Moisture</u> Magply is breathable and water-resistant. Passage of moisture does not affect its structure			
<u>Reaction to Insects/Rodents</u> Magply is inert and has no nutritional value, rendering it unattractive to insects and rodents.			

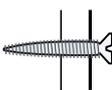
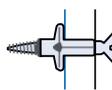
**Exposure**

Magply can be left uncovered, exposed to the elements for a minimum 6 months without affecting its structure.

*\* for fixing detail, please refer to relevant certificate*

**Fixings, Sealants, Adhesives**

*\*Maximum loads are subject to fixing quality*

Board Thickness	Nailed picture hooks			5mm diameter Continuous thread screw	Toggle bolt
					
9mm	20kg	18kg	5kg	20kg	40kg
12mm	25kg	23kg	10kg	25kg	45kg

Many different loads may be mounted to Magply using suitable fixings. Lightweight objects can be hung with good quality picture hooks fixed directly into the board.

Depending on the type and capacity of the method of attachment, various vertical loads can be supported by Magply. Shelves and hanging cupboards can be attached with suitable cavity fixings. The choice of attachment method will be governed by the weight and dimensions of the object.

Loads with a weight of less than 20kg per fixing point can easily be fixed to the wall with suitable screws, and 40kg using suitable toggle fixings, without the need for support noggins.

Any two points of attachment must have a minimum distance of 150mm from each other, otherwise the weight of the load to be supported must be halved. Heavy loads such as sinks, sanitary units, radiators and heavy cabinets should be fixed to the sub layer of the construction or support noggins.

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, use a 12µ galvanised or phosphate coated screws or nails 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 and any finish can be applied to either side. 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**

The information given is correct to the best of our knowledge at the time of publication but without guarantee of accuracy. We do not accept any responsibility for damage and claims arising from handling, transport, storage or disposal of the product. This data sheet applies only to the product named above supplied by IPP. If the product is used as part of other products, information given in the data sheet may be invalidated. E&OE

No warranty is hereby expressed or implied.

**IPP Black Mountain**

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