

## Data Sheet for 3mm, 6mm, 9mm, 12mm and 20mm Magply

### Company information

**Manufacturer:**

IPP Ltd  
Bradwell Hall  
Bradwell on Sea  
Essex CM0 7HX  
Tel: 0044 (0)1621 776252, Fax: 0044 (0)1621 776688

### Magply Board Sizes & Weights. (9mm also available in 1200mm x 2700mm and 3050mm)

| Board Thickness and Size                   | Weight per board |
|--------------------------------------------|------------------|
| 03MM:1200mm x 2400mm (2.88m <sup>2</sup> ) | 6.50 kg          |
| 06MM:1200mm x 2400mm (2.88m <sup>2</sup> ) | 19.0 kg          |
| 09MM:1200mm x 2400mm (2.88m <sup>2</sup> ) | 28.0 kg          |
| 12MM:1200mm x 2400mm (2.88m <sup>2</sup> ) | 38.0 kg          |
| 20MM:1200mm x 2400mm (2.88m <sup>2</sup> ) | 63.0 kg          |

### Thermal Properties

|                                    |           |
|------------------------------------|-----------|
| Thermal Conductivity ( $\lambda$ ) | 0.19 W/mK |
|------------------------------------|-----------|

### Fire Performance

|                                                                       |                      |
|-----------------------------------------------------------------------|----------------------|
| BS EN 476 (Parts 6&7)                                                 | Class 0              |
| Euroclass EN13501                                                     | A1 (Non-Combustible) |
| <b>Please refer to Magply Test Guide for in-situ Testing Results.</b> |                      |

### 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>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>Solubility:</u>           | Insoluble in Water         | <u>Density</u>           | 1100 Kg/m <sup>3</sup> |

### 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 Insects/Rodents: Magply is inert and has no nutritional value, rendering it unattractive to insects and rodents.

Reaction to Moisture: Magply is breathable and water-resistant. Passage of moisture does not affect its structure. Moisture content prior to painting or rendering should be <15%

### **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. For Fire Resistant Applications use either Magply 4 Hour Intumescent Sealant or Magply A1 Filler Adhesive.

The length of fixings and centres depends upon national regulations and applications. As a guide the fixing should be a minimum of 28mm into the timber stud plus the thickness of the board. For standard drywall applications, use a galvanised or phosphate coated fixing along with standard jointing and taping.

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. (**Magply datasheets available for Ancillaries : Primers and Fillers**)

**Plastering** - Skim coats of Multi Finish can only be applied to Magply following the application of **Magply Plasterbond**.

**Painting.** Magply can be painted. Please ask for our Standard Painting Specification and instructions.

**PLEASE DO NOT USE ANY PVA BASED PRODUCTS OR BLUEGRIT ON MAGPLY.  
FOR RENDER SYSTEMS ALWAYS USE STAINLESS STEEL FIXINGS AND PLEASE REFER TO  
MAGPLY RENDER BROCHURE FOR DETAILING**

### **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.