

# Magply

## RENDER APPLICATIONS



EUROCLASS A1  
PERFORMANCE



ETA 17/0976



MOISTURE  
PROTECTION



STRONG AND  
EASY TO USE



ENVIRONMENTALLY  
FRIENDLY



BREATHABLE



MOULD  
RESISTANT



SOUND  
REDUCTION



CLASS 0

K rend specification on Magply - Fuller plastering ,Brighton.

APPROVED WITH

 **K Rend**

 **PERMAROCK**

 **MAPEI**

 **JUB**

 **wetherby**  
creating a greener future

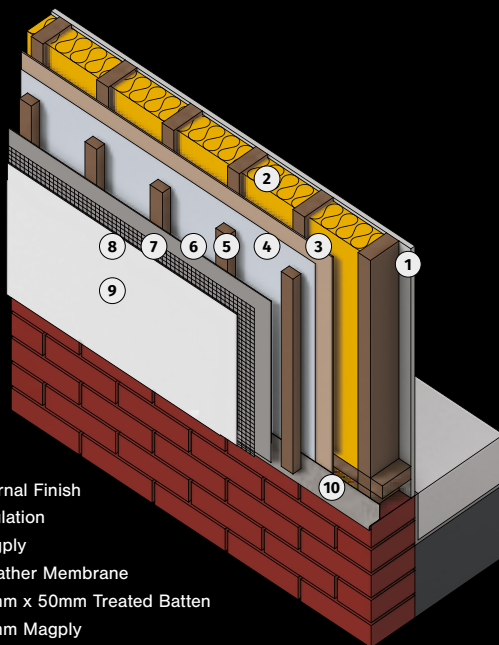


# Installation guidance for render applications

- ▶ Minimum 25mm batten fixed at maximum 600mm centres. Fixings set at 300mm centres, guidance must be taken from the architect or engineer.
- ▶ Minimum 25mm continuous cavity behind the board top to bottom finishing 150mm from ground level and 5mm from top soffit.
- ▶ Boards should be mechanically fastened with stainless steel fixings minimum screw shank 3.5mm and minimum 38mm to 42mm length on 12mm.
- ▶ Advice should be sought from architect or engineer as to screw spacings which are dependent on situation for wind uplift.
- ▶ Boards should be staggered and always render on the course side of the board, a 4-5mm expansion gap to be left on all joints.
- ▶ Always screw Magply at least 15mm in from the edge of the board.
- ▶ A layer of DPC is recommended on the face of the batten behind the board.
- ▶ Air flow should be specific around windows & doors.
- ▶ Ensure the board is free from all debris and dry before applying render.
- ▶ The final installation drawing should always come from your structural engineer or architect.
- ▶ Most render manufacturers specify 12mm Board and maximum 600mm centres for battens, in areas of high wind uplift (costal areas) tighter spacings will be advised by the engineer.
- ▶ If a primer is specified by the render Manufacturer it is the responsibility of the applicator to ensure it is correct and has been tested for use with Magply Board. Under no circumstances should any **PVA** based product be used on Magply.

## Applications

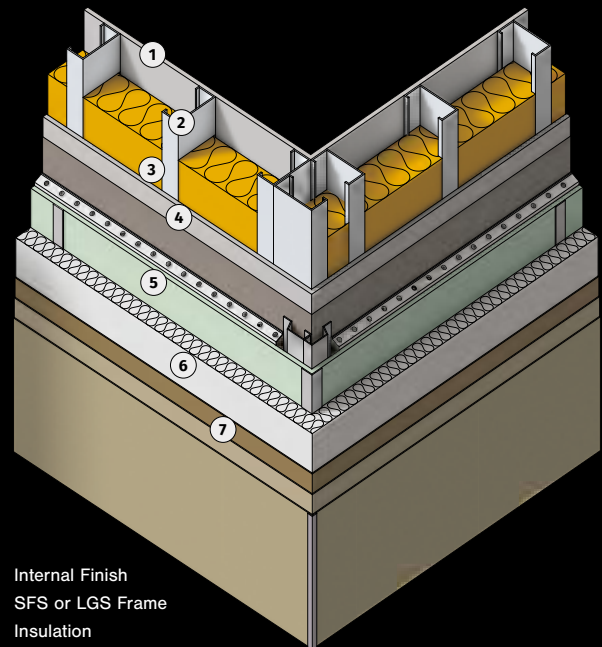
### Timber Frame



- 1 Internal Finish
- 2 Insulation
- 3 Magply
- 4 Breather Membrane
- 5 25mm x 50mm Treated Batten
- 6 12mm Magply
- 7 Render Base Coat
- 8 Mesh
- 9 Render Top Coat
- 10 Ventilation Strip / Insect Mesh

4.2mm x 42mm  
Stainless Steel Fixing

### Steel Frame



- 1 Internal Finish
- 2 SFS or LGS Frame
- 3 Insulation
- 4 12mm Magply
- 5 Render Support Rail
- 6 EWI Insulation
- 7 Render System

4.8mm x 38mm Stainless  
Steel Wingtip Fixing

**ALL FIXINGS SHOULD BE STAINLESS STEEL, and under no circumstances should PVA based products be applied to Magply**

Contact IPP or visit the Magply website for detailed drawings, details on fixings, installation guides, FAQ's and further technical information.

## More information on Magply

Magply is designed for direct render applications to form the external façades of commercial and domestic properties which utilise hybrid frames structures.

Magply 12mm Board offers the perfect substrate for use with thin proprietary render systems on to Timber or Light Gauge Steel Frames.

Magply is a high strength, breathable board manufactured from MgSO<sub>4</sub> and reinforcement meshes which provide excellent dimensional stability.

Magply is A1 Non-Combustible and has been tested with a variety of render systems by the British Board of Agrément.

### TESTED AND CERTIFIED BY



### APPLICATIONS

Timber Frame | Rainscreen Cladding | Dry Lining | Render Systems | Spandrel Panels  
Modular Build | Floors and Ceilings | Steel Frame | Passive Fire Protection

## Technical information

Thickness (mm)	Width (mm)	Length (mm)	Weight (kg.m <sup>2</sup> )	Weight per board	Surface m <sup>2</sup>
12	1200	2400	13.19	38	2.88

Thermal Conductivity	0.19 W/mK
Fire Classification	Class 0 Euroclass EN13501* A1 (Non-Combustible)
Reaction to Fire	Passed BS EN 1716 Reaction to Fire* Passed
Appearance	Solid flat sheet board
Colour & Odour	White, Odourless Change of State None
Vapour Resistance	Vapour Resistance 0.31 MNs/g (EN ISO 12572*)
Melting point	Melting point: 2400°C
Solubility	Solubility: Insoluble in Water
Acoustic	12mm Rw 29dB EN ISO 717-1:2013

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### METAL FRAME WALL



**BS EN 1364-1: 2015**

INTEGRITY: 90 MINS | INSULATION: 69 MINS

### LOAD BEARING WALL



**BS EN 1365-1: 2012**

LOAD BEARING CAPACITY: 57.6KN  
INSULATION: 67 MINS

### TIMBER FRAME WALL



**BS476: PART 22: 1987**

INTEGRITY: 91 MINS | INSULATION: 86 MINS

### NON-LOAD BEARING WALL



**BS 476: PART22: 1987, CLAUSE 5**

INTEGRITY: 67 MINS | INSULATION: 67 MINS

### LIGHT GAUGE STEEL FRAME



**BS EN 1365 - 1: 2012**

INTEGRITY: 154 MINS | INSULATION: 126 MINS

### TIMBER FRAME WALL



**BS EN 1364-1:2015**

INTEGRITY: 75 MINS | INSULATION: 66 MINS

[www.magply.co.uk](http://www.magply.co.uk)

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