

# SPACETHERM<sup>®</sup> A2 WALLBOARD

## Spacetherm A2 Wallboard

Product specification to be Spacetherm A2 Wallboard by The A Proctor Group, Blairgowrie

### Manufacturer

Name A Proctor Group Ltd  
 Web [www.proctorgroup.com](http://www.proctorgroup.com)  
 Email [technical@proctorgroup.com](mailto:technical@proctorgroup.com)  
 Tel +44 (0) 1250 872261  
 Fax +44 (0) 1250 872727  
 Address The Haugh, Blairgowrie, Perthshire PH10 7ER

### Detailed Description

Insulation to be used shall be Spacetherm A2 Wallboard supplied by The A Proctor Group, Blairgowrie.

Spacetherm A2 Wallboard combines a high performance, fire resistant, thermal insulation blanket bonded to a vapour check plasterboard facing and is supplied in sheet format. Standard plasterboard available upon request.

### Product

Product performance specification as follows:

#### Thickness

Thickness of Plasterboard to be 12.5mm.

Thicknesses of Insulation to be minimum 10mm.

Available in other insulation thicknesses, as requested, in multiples of 10mm.

#### Sheet Size

2400mm x 1200mm

#### Material

Vapour check, or plain, plasterboard bonded to the required thickness of fibre reinforced, fire retardant, silica Aerogel.

#### Fixings

Fixings assessed with Spacetherm A2 Wallboard are recommended to be [Ejot TKE 4.8 x 60](#) or [Ejot JT3-ST-2-6.0 x 60](#) for fixing into timber battens. Due to the nature of the fixings these will self-countersink when used to fix plasterboard therefore providing a flush finish.

Fixing centres should be assessed by the project/structural engineer to ensure that adequate fixings are used to resist any imposed or dead loads, wind loads etc that may be exerted on the insulated panels.

Other fixings are available and may be suitable. Consideration should be made to their fire resistance and advice sought from the fixing manufacturer/suppliers.

### Technical Properties

- Thermal Conductivity: Aerogel to be no greater than 0.019W/mK when tested to EN13162
- Reaction to Fire: Aerogel to be no worse than Class A2-s1,d0 when tested to EN13501
- The Aerogel classification applies to the following end-use conditions:  
 The building product may be used on all wooden substrates of Euroclass D-s2, d0 and all substrates of Euroclass A1 and A2-s1, d0 with a minimum thickness of 10 mm and a minimum density of 510 kg/m<sup>3</sup>.  
 The building product may be used on metal substrates with a minimum thickness of 0,6 mm, a minimum density of 5887,5 kg/m<sup>3</sup> and a minimum melting point of 1000 °C.
- The building product must be fixed mechanically to the substrate.
- The building product may be used with vertical and horizontal joints.
- The building product must be protected from soaking and weathering influences.
- Density: Aerogel to be no less than 190 kg/m<sup>3</sup> when tested to DIN EN 1602
- Insulation will withstand temperatures from -50°C to +400°C
- Compressive strength: to be not less than 30 kPa at 10% Compression when tested to DIN EN 826.

Spacetherm A2 Wallboard is a non-burning, flexible, high performance silica aerogel-based insulation bonded to vapour check or plain plasterboard. Spacetherm A2 Wallboard is supplied in sheet form and is suitable for internal thermal improvements to existing walls. Spacetherm A2 Wallboard must be mechanically fixed, using appropriate fixings, to battens or metal framing. Spacetherm A2 Wallboard can also be used to thermally upgrade window reveals (WRB) where space is limited.

# SPACETHERM<sup>®</sup> A2 WALLBOARD

**Benefits**

- Combined fire and thermal properties in a class leading product
- Thin insulation for hard to treat walls
- Minimum loss of room space
- Easily installed
- Available with variable thickness of insulation, in multiples of 10mm

**Product Reference**      [Spacetherm A2 Wallboard](#)  
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