

SPACETHERM® A2 MULTI

Spacetherm A2 Multi

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

Manufacturer

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Detailed Description

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

Spacetherm A2 Multi combines a high performance, fire resistant, thermal insulation blanket bonded to a 6mm MgO facing and is supplied in sheet format.

Product

Product performance specification as follows:

Thickness

Thickness of MgO to be 6mm

Thicknesses of Insulation to be minimum 10mm.

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

Sheet Size

2400mm x 1200mm

Material

6mm Magnesium Oxide (MgO) facing board bonded to the required thickness of fibre reinforced, fire retardant, silica Aerogel.

Fixings

Fixings assessed with Spacetherm A2 Multi 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 MgO board this should be countersunk prior to fixing to ensure 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
- Reaction to Fire: MgO to be no worse than Class A1 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/m³.
 The building product may be used on metal substrates with a minimum thickness of 0,6 mm, a minimum density of 5887,5 kg/m³ 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/m³ 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 Multi is a non-burning, flexible, high performance silica aerogel-based insulation bonded to 6mm MgO. Spacetherm A2 Multi is supplied in sheet form and is suitable for internal thermal improvements to existing walls, ceilings and soffits. Spacetherm A2 Multi must be mechanically fixed, using appropriate fixings, to base construction. Spacetherm A2 Multi can also be used to thermally upgrade window reveals (WRB) where space is limited.

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Benefits

- Combined fire and thermal properties in a class leading product
- Thin thermal insulation for hard to treat walls, ceilings and soffits
- Class leading performance
- Easily installed
- Available with variable thickness of insulation, in multiples of 10mm

Product Reference [Spacetherm A2 Multi](#)
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