

SPACETHERM MULTI

Spacetherm Multi

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

Manufacturer

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Detailed Description

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

Spacetherm Multi combines high performance thermal insulation blanket bonded to an MgO facing and is supplied in sheet format.

Product

Product performance specification as follows:

Thickness

Thickness of MgO to be 6mm

Thickness of insulation to be 5mm, 10mm and multiples thereof

Sheet Size

2400 x 1200 for Walls

1200 x 600mm for Floors, Window Reveals, Soffit Linings

Material

10mm Fibre reinforced silica Aerogel bonded to 6mm Magnesium Oxide (MgO) facing board

Certification

Minimum required: ETA-11/0471 for the Spacetherm Blanket details available from The A Proctor Group.

Technical Properties

- Thermal Conductivity of insulation: to be no greater than 0.015W/mK when tested to EN12667
- Water vapour permeability: to be no greater than $\mu = 5.0$ when tested to EN12086
- Reaction to Fire: insulation to be no worse than Class C - s1, d0 and MgO board to be no worse than Class A1 when tested to EN13501
- Compressive stress of insulation at 10% deformation : to be no less than >80kPa tested to EN826
- Density of insulation: to be no less than 150 kg/m³
- Maximum Operating Temperature of insulation: 200°C
- Short term water absorption of insulation by partial immersion: to be no greater than $W_p \leq 0.01$ kg/m² when tested to EN1609
- Susceptibility to mould growth: insulation should be classified as Mould growth is not possible when tested to CUAP 12.01/36-Annex B

Spacetherm is a fibrous blanket impregnated with silica aerogel producing a highly thermally efficient insulation which surpasses standard rigid board insulation. Spacetherm Multi comprises 5mm, 10mm or multiples thereof of Aerogel blanket, bonded to a 6mm MgO facing board. Spacetherm Multi is supplied in sheet form and is suitable for internal thermal improvements to existing walls, floors, ceilings and soffits. Spacetherm Multi is mechanically fixed, using appropriate fixings, to base construction. In flooring applications Spacetherm Multi is loose laid. Spacetherm Multi can also be used to thermal upgrade window reveals (Spacetherm WRB) where space is limited.

Benefits

- Thin insulation for hard to treat walls, floors and soffits
- Class leading performance
- Minimum loss of room space
- Constant long term thermal performance of 50 years+
- Non-hazardous material
- Allows wall to breathe

Product Reference

[Spacetherm Multi for Walls](#)
[Spacetherm Multi for Floors](#)

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