

SPACETHERM WALLBOARD

Spacetherm Wallboard

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

Manufacturer

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Detailed Description

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

Spacetherm Wallboard combines high performance thermal insulation blanket bonded to a foil backed plasterboard facing and is supplied in sheet format. Non-foiled plasterboard available upon request.

Product

Product performance specification as follows:

Thickness

Thickness of Plasterboard to be 9.5mm

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

Sheet Size

2400 x 1200mm

Material

9.5mm foil backed plasterboard bonded to required thickness of fibre reinforced silica Aerogel blanket.

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 when tested to EN13501 and plasterboard to have a fire resistance no worse than Class I when tested to BS 476
- 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 $W_p \leq 0.01 \text{ kg/m}^2$ 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 Wallboard comprises 5mm, 10mm or multiples thereof of Aerogel blanket, bonded to a 9.5mm foil faced plasterboard, non-foiled available on request. Spacetherm Wallboard is supplied in sheet form and is suitable for internal thermal improvements to existing walls. Spacetherm Wallboard is mechanically fixed, using appropriate drylining fixings, to battens or metal framing. Spacetherm Wallboard can also be used to thermal upgrade window reveals (WRB) where space is limited.

Benefits

- Thin insulation for hard to treat walls
- Class leading performance
- Minimum loss of room space
- Constant long term thermal performance of 50 years+
- Includes an integrated vapour control layer as standard
- Non-hazardous material

Product Reference

[Spacetherm Wallboard](#)

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