

SPACETHERM DIRECTFIX

Spacetherm Directfix

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

Manufacturer

Name A Proctor Group Ltd
 Web www.proctorgroup.com
 Email 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 Directfix supplied by The A Proctor Group, Blairgowrie.

Spacetherm Directfix combines high performance thermal insulation blanket bonded to plywood and 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 Plywood to be 6mm
 Thickness of insulation to be 5mm, 10mm and multiples thereof

Sheet Size

2400 x 1200mm

Material

9.5mm foil backed plasterboard and 6mm plywood reinforcement 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 of insulation: 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 plywood to be no worse than D-s2,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 Directfix comprises 5mm, 10mm or multiples thereof of Aerogel blanket, bonded to a 9.5mm foil faced plasterboard and 6mm plywood. Non-foiled plasterboard is available on request. Spacetherm Directfix is supplied in sheet form and is suitable for internal thermal improvements to existing walls. Spacetherm Directfix is mechanically fixed, using shot-fired fixings, directly to base wall. Spacetherm Directfix can also be used to thermal upgrade window reveals (Spacetherm WRB) where space is limited.

Benefits

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

Product Reference [Spacetherm Directfix](#)
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