

SPACETHERM®

Spacetherm

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

Manufacturer

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Detailed Description

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

Spacetherm thermal insulation blanket which can be supplied sheet form or laminated to other board materials.

Product

Product performance specification as follows:

Thickness

Thickness of insulation to be 5mm, 10mm or multiples thereof, bonded by APG to achieve desired thermal performance or overall thickness.

Sheet Size

2400mm x 1200mm

Material

Fibre reinforced silica Aerogel.

Certification

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

Technical Properties

- Thermal Conductivity: 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: to be no worse than Class C - s1, d0 when tested to EN13501
- Surface Burning Characteristics: should be no worse than Flame Spread Index ≤ 5 Smoke Development Index = 20 when tested to ASTM E84
- Density: to be no less than 150 kg/m³
- Maximum Operating Temperature: 125°C
- Short term water absorption by partial immersion: to be no greater than $W_p \leq 0.01 \text{ kg/m}^2$ when tested to EN1609
- Dimensional stability: length, width and thickness all to be no less than 1% when tested to EN1604 48h@70°C

Spacetherm is a fibrous blanket impregnated with silica aerogel producing a highly thermally efficient insulation which surpasses standard rigid board insulation. Spacetherm Blanket can be bonded to itself to reach specific thermal requirements as well as being laminated to various board materials including MgO plasterboard or plasterboard/ply. It can also be supplied on its own in sheet form and is suitable for use internally where low U-values are required but space is limited. Also available encapsulated for flooring and cold bridge strips.

Benefits

- Ultra-low thermal conductivity of 0.015 W/mK
- Available bonded to multiple finishing boards
- Maximum thermal performance in limited space
- 50 year continued thermal performance
- Hydrophobic nature resists water absorption
- Available cut to any size or shape - contact us for information
- Does not absorb moisture therefore can be used in direct contact with solid walls.

Product Reference [Spacetherm Blanket](#)

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