

# SPACETHERM

## Spacetherm

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

### Manufacturer

Name A Proctor Group Ltd  
 Web [www.proctorgroup.com](http://www.proctorgroup.com)  
 Email [technical@proctorgroup.com](mailto: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 supplied by The A Proctor Group, Blairgowrie.

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

### Product

Product performance specification as follows:

#### Thickness

Thicknesses to be 30, 40 & 50mm, laminated to each desired thickness by APG.

#### Sheet Size

2400 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  $\leq 5$  Smoke Development Index = 20 when tested to ASTM E84
- Compressive stress at 10% deformation : to be no less than >80kPa tested to EN826
- Density: to be no less than 150 kg/m<sup>3</sup>
- Maximum Operating Temperature: 200°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
- Susceptibility to mould growth: product should be classified as Mould growth is not possible when tested to CUAP 12.01/36-Annex B
- Dimensional stability: length, width and thickness all to be no less than 1% when tested to EN1604 48h@70°C
- Tensile Strength parallel to faces: to be greater than 200kPa when tested to EN1608
- Compressive creep (4kPa load after 10 years): to be no greater than 1.5% when tested to EN 1606

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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