SPACETHERM® A1

Spacetherm A1
Product specification to be Spacetherm A1 by The A. Proctor Group, Blairgowrie
Manufacturer

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Detailed Description
Insulation to be used shall be Spacetherm A1 supplied by The A. Proctor Group, Blairgowrie.
Spacetherm high performance thermal insulation blanket which can be supplied sheet form.

Product
Product performance specification as follows:
Thickness
Thicknesses available are 5mm and 10mm (subject to availability).
Sheet Size
2400mm x 1200mm – others sizes may be available upon request.
Material
Fibre reinforced Silica Aerogel.
Certification
Minimum required: Not applicable.

Technical Properties
- Thermal Conductivity: to be no greater than 0.0195W/mK when tested to EN12667.
- Water vapour transmission: to be no less than 242 g/m²/day when tested to EN12086.
- Reaction to Fire: to be no worse than Class A1 non-combustible when tested to EN13501.
- Compressive stress: to be no less than 37kPa tested to EN826.
- Density: to be no less than 184 kg/m³.
- Operating Temperature: -100°C to +650°C.
- Short term water absorption by partial immersion: to be no greater than Wp ≤0.01kg/m² when tested to EN1609.
- Dimensional stability: length, width and thickness all to be no higher than 0.2% when tested to EN1604 48h@70°C.

Spacetherm A1 is a glass fibre blanket impregnated with silica aerogel producing a highly thermally efficient insulation which surpasses most insulations, mineral and rigid. Spacetherm A1 Blanket can be installed in layers, using mechanical fixings such as stickpins, to achieve required thermal performance or overall thickness. As it is A1, it is considered incombustible and can be used where mineral wool may be too great a thickness to employ.

Benefits
- Low thermal conductivity of 0.0195 W/mK.
- Maximum thermal performance in limited space.
- 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 A1
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