

SPACETHERM WL

Spacetherm WL (Wall Liner)

Product specification to be Spacetherm WL (Wall Liner) by The A Proctor Group, Blairgowrie

Manufacturer

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Detailed Description

Insulation to be used shall be Spacetherm WL (Wall Liner) supplied by The A Proctor Group, Blairgowrie. Spacetherm WL combines high performance thermal insulation blanket bonded to a thin MgO facing and is supplied in sheet format.

Product

Product performance specification as follows:

Thickness

Thicknesses to be 13mm

Sheet Size

1200 x 600mm

Material

10mm Fibre reinforced silica Aerogel bonded to 3mm Magnesium Oxide (MgO) facing board

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 and MgO board to be no worse than Class A1 when tested to EN13501
- 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 WL comprises 10mm of Aerogel blanket, bonded to a 3mm MgO facing board. Spacetherm WL is supplied in sheet form and is suitable for internal thermal improvements to existing walls where space is limited but full upgrades, in line with Building Regulations, are not possible due to internal fixtures, cornicing etc. Spacetherm WL is adhesively bonded to the wall using Insta-Stik adhesive and can be finished with Spacetherm WL Primer to provide a key for further decoration. Spacetherm WL 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
- Constant long term thermal performance of 50 years+
- Non-hazardous material
- Easy refurbishment
- No specialist trades required
- Allows wall to breathe

Product Reference [Spacetherm WL](#)
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