



Certificate No: EWS807D



This certificate is valid for Building Regulations & associated technical guidance in force on the date of registration and for the regulations in the countries indicated

Spacetherm Wall-Liner (WL) Insulation

Description of Product

This is an assessment of A. Proctor Group Ltd's Spacetherm WL that is a high performance laminate designed to be fixed to internal surfaces of existing solid walls without mechanical fixings.

Spacetherm WL consists of 10mm Spacetherm aerogel insulation blanket bonded to 3mm Magnesium Oxide Board. It is designed for use where improved thermal performance is required with limited space.

Spacetherm WL can achieve similar performance to traditional plasterboard laminates but at a fraction of the thickness which can allow greater flexibility and higher performance for refurbishment projects.

A U-value calculation service and Condensation Risk Analysis for projects is offered by A. Proctor Group Ltd technical services.

The insulation has been CE marked against ETA-11/0471 by the manufacturer.



Key Factors Assessed

- ☐ Mechanical Resistance & Stability
- ☐ Safety in case of Fire
- ☐ Health Hygiene and Environmental
- ☐ Safety in Use
- ☐ Energy Economy and heat retention
- ☐ Durability serviceability and identification

Validity

This certificate was first issued on 31st March 2018 and is valid until 31st March 2022

Issue Dated 21st March 2019

Scope of Registration

Spacetherm WL is a high performance laminate designed to be adhered to internal surfaces of existing solid walls without mechanical fixings.

Spacetherm WL consists of 10mm Spacetherm aerogel insulation blanket bonded to 3mm Magnesium Oxide Board. It is designed for use where improved thermal performance is required with limited space.

Walls can achieve similar performance to traditional plasterboard laminates, but at a fraction of the thickness which can allow greater flexibility and higher performance for refurbishment projects.

When installed the insulation product will be behind a 3mm magnesium oxide board which has a fire rating of A1 (EN 13501) and Class 0 (BS 476 Parts 6 & 7). The aerogel insulation is fire rated as Class C-s1, d0 (EN 13501-1).

Spacetherm has a degree of vapour resistance; however both the insulation and the MgO boards are vapour permeable. There is a theoretical risk of condensation on the cold side of the Spacetherm once installed however this is minimal and not detrimental to the wall structure.

The MgO board has a thermal conductivity of 0.19 W/mK and the Aerogel is 0.015 W/mK.

Some key features that are made by A. Proctor Group Ltd are, the product has class leading thermal performance, has minimum loss of space, repels moisture, is hydrophobic, vapour permeable, breathable and the Spacetherm insulation is covered by a European technical approval.

A solid wall will have a U value of around 2.1 W/m²K before the application of Spacetherm WL. This can be reduced to around 0.8 W/ m²K after Spacetherm WL is installed. This is dependent on the wall structure and specific calculations can be carried out by the A. Proctor Group Technical Department.

Conditions of Certificate

The product must be bonded to a clean and structurally sound base using "Insta-Stik" adhesive.



LABC and LABSS consider that, Spacetherm WL will meet the functional requirements of the Building Regulations (listed below) if the criteria detailed in this certificate are met;

The Building Regulations 2010 (as amended) England & Wales

Regulation 7	Materials and workmanship
Note:	The product is acceptable.
AD A	Loading
Note:	The product is acceptable as per the Scope of Registration.
AD B	Fire Safety
Note:	The product is acceptable as per the Scope of Registration.
AD C	Resistance to Moisture
Note:	The product is acceptable as per the Scope of Registration.
AD F	Ventilation
Note:	The product is acceptable.



The Building Regulations 2010 (as amended) England

None presently.



The Building Regulations 2010 (as amended) Wales

None presently.



The Building (Scotland) Regulations 2004 (as amended)

Technical Handbooks - Domestic

Regulation 8	Durability, workmanship and fitness of materials
0.8.5:	Ways of establishing the fitness of materials
Note:	The product is acceptable as referenced by ETA-11/0471 dated 06/06/2017
Regulation 9	Building Standards applicable to construction
Note:	Construction shall be carried out so that the work complies with the applicable requirements of schedule 5.

Mandatory

Standard 3.10

Precipitation

Note:

The product is acceptable provided it is constructed in accordance with the manufacturer's details.

Mandatory

Standard 3.15

Condensation

Note:

The product is acceptable provided it is constructed in accordance with the manufacturer's details.

Mandatory

Standard 6.2

Building insulation envelope

Note:

The product will contribute to achieving the required U-value provided it is constructed in accordance with the manufacturer's details.

Non-Regulatory Information



LABC Warranty

The use of the Spacetherm WL has not been assessed to meet the requirements of the LABC Warranty Technical Manual. If you would like to discuss a specific use please make an enquiry to technical.services@labcwarranty.co.uk

Supporting Documentation

Spacetherm Aerogel Insulation Brochure June 2017
European Technical Approval Certificate ETA – 11/0471

For Scotland purposes:

Spaceloft European Technical Assessment ETA-11/0471

Spacetherm Data Sheet

Spacetherm WL Brochure

Spacetherm Aerogel Insulation Brochure (for building & construction)

Contact Information

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