



Certificate No: EWS1139



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

Wraptherm

Description of Product

This is an assessment of Proctor Wraptherm which is a wall membrane composite aimed at improving airtightness whilst reducing the effects of thermal bridging which is particularly useful in refurbishment projects.

The high-performance membrane composite is self-adhesive and was developed for use in the refurbishment of existing buildings to enhance the thermal and airtightness performance of the building.

When applied to the internal face of the existing façade it provides a vapour permeable yet airtight layer, fully self-adhered to the substrate beneath with the added 10mm thick layer of Spacetherm insulation.

Once the membrane is applied, framing can be installed. The Wraptherm layer assists to reduce the thermal bridging caused by framing as a continuous layer of insulation is formed directly upon the wall fabric. Where required, additional thermal insulation can be included within the construction to meet the specific U-value requirements of the project.



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 24th March 2020 and is valid until 26th June 2021

Issue Dated 26th June 2020

LABC | 66 South Lambeth Rd | London | SW8 1RL

T: 0207 0916865 | DD: 07850 307601 | F: 0207 0916879 | www.labc.uk.com/registereddetails

Scope of Registration

Wraptherm is used to reduce the effect of cold bridging i.e. wrapping around steel beams, installing at window reveals etc. The flexibility of the product allows for ease of installation.

The membrane is applied with offset joints which allows for a completely robust sealing of all of the joints within the panel thereby ensuring the continuity, integrity and robustness of the airtight layer.

Wraptherm consists of a 10mm "Spacetherm" insulation blanket that is bonded to the face of Proctor "Wraptite" which is a vapour permeable, self-adhesive airtight membrane.

The base Wraptite layer is an externally applied fully adhered vapour permeable weather and air resistant membrane. It consists of a triple layer polypropylene micro-porous film laminate, with a proprietary acrylic moisture vapour permeable adhesive and silicone-coated PET release liner. It bonds easily to multiple substrates and a primer is not required.

Substrate condition is critical to the performance of any self-adhered therefore the surfaces must be clean, dry and free from all bond-breaking contaminants, sharp protrusions or other matter that may hinder adhesion to the substrate.

Any loose dust or dirt from the substrate should be cleared by wiping with a clean dry cloth or brush. Any damaged components should also be removed and replaced.

Building design requirements should be considered prior to application of the product to minimise waste. Penetrations and openings should be correctly detailed to ensure a weather and air tight installation.

A hand roller should be used on the installation to ensure a continuous and effective bond with the substrate, failure to roll Wraptherm effectively may result in poor adhesion.

Further installation details are available from The A. Proctor Group.

The key Wraptherm features are:

- Single product airtightness and thermal bridging solution
- Ideal for refurbishment and façade retention projects
- Water resistant yet vapour permeable membrane
- Airtightness performance
- Reduces thermal bridging
- Continuous airtightness seal
- Tested low vapour resistance

Physical Properties	Result
Coverage	2400mm x 1200mm or 1200mm x 1200mm
Nominal Thickness	11.5mm
Weight	2.40kg/m ² or 1.2 kg/m ²
Water Vapour Resistance Sd	0.101m (BS EN 12086)
Water Vapour Diffusion μ	8.806 (BS EN 12086)
Thermal Resistance	0.667 m ² K/W (Insulation - membrane negligible)

Conditions of Certificate

The product must be bonded to a clean, bare, structurally sound base that is dry and free from all bond-breaking contaminants, sharp protrusions or other matter that may hinder adhesion to the substrate. Any loose dust or dirt can be cleaned from the substrate using a clean, dry cloth/brush.

Wraptherm is supplied to site on a pallet, shrink-wrapped with edge guards. It should be stored flat, in a dry place and kept in packaging until ready to use. An installation guide is included with each pallet. Reference should also be made to Spacetherm Essentials Data Sheet.

For Scotland purposes:

The specifications and materials referred to have been assessed in accordance with the Building (Scotland) Regulations 2004 and in accordance with the supporting guidance in the Domestic Technical Handbooks which come into force with effect from 1 October 2019.

Where reference is made on a plan or specification document to any Code of Practice, British or European Standard or manufacturer's instruction it shall be construed as a reference to such publication in the form in which it is in force at the date of this Registered Detail.

The materials specified shall be for purposes of this Registered Detail and should not be changed without first gaining approval so to do from Local Authority Building Standards Scotland [LABSS]. Failure to do so will invalidate the Registered Detail.

This Registered Detail should not be regarded as a formal approval under the building warrant process prescribed by the Building (Scotland) Act 2003 enacted from 1 May 2005

This Registered Detail shall contribute to compliance with relevant Mandatory Standards specified under the Building (Scotland) Regulations 2004 as amended when read with the scope, conditions and regulations sections to this Registered Detail.



LABC and LABSS consider that, Wraptherm 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

Please refer to individual Regulations below.

The Building Regulations 2010 (as amended) England

Regulation 7 (2018) Materials and workmanship

Note: The product is acceptable as per the Scope of Registration and Conditions of Certificate.

AD C (2013) Resistance to Moisture

Note: The product is acceptable as per the Scope of Registration.

AD L1B (2018) Conservation of Fuel and Power – Existing Dwellings

Note: The product is acceptable.

AD L2B (2016) Conservation of Fuel and Power – Existing Dwellings other than Dwellings

Note: The product is acceptable.

The Building Regulations 2010 (as amended) Wales

Regulation 7 (2013) Materials and workmanship

Note: The product is acceptable as per the Scope of Registration and Conditions of Certificate.

AD C Resistance to Moisture

Note: The product is acceptable as per the Scope of Registration.

AD L1B (2016) Conservation of Fuel and Power – Existing Dwellings

Note: The product is acceptable.

AD L2B (2016) Conservation of Fuel and Power – Existing Dwellings other than Dwellings

Note: The product is acceptable.

The Building (Scotland) Regulations 2004 (as amended)

Technical Handbooks – Domestic and Non-Domestic

Regulation 8 Durability, workmanship and fitness of materials

0.8.5: Ways of establishing the fitness of materials

Note: Spaceloft is covered by European technical Assessment ETA-11/0471 dated 06/06/2017 Wraptite is covered by BBA Certificate 15/5274, Third issue dated 23/09/2019. The product can contribute to a construction satisfying Regulation 8.

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 3.15	Condensation
Note:	The system is acceptable provided it is constructed in accordance with the manufacturer's details and installed by an accredited contractor. The system will predominantly be used to reduce cold bridging. As Wraptherm is considered to be vapour neutral there should be minimal impact on the movement of moisture within the wall construction but a condensation risk analysis for the complete external wall element should be provided to confirm compliance.
Mandatory	
Standard 6.2	Building insulation envelope
Note:	The system will contribute to the required U-value provided it is constructed in accordance with the manufacturer's details and by an accredited contractor.

Non-Regulatory Information



LABC Warranty

The use of Wraptherm 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 Slentex A2 Data Sheet 23.04.2019

Wraptherm Datasheet Feb 2019

Wraptite Installation Guide

For Scotland purposes:

Wraptherm Installation Guide

Wraptherm Thermal Insulation Data Sheet

Wraptherm BBA Test Report 63882

Spacetherm Essentials Thermal Insulation Data Sheet

Spacetherm Brochure

Spacetherm Wallboard Insulation EWS807B

Spacetherm Multi Insulation EWS807C

Spacetherm Wall-Liner (WL) Insulation EWS807D

Spacetherm Direct Fix Insulation EWS807E

Wraptite Brochure

Wraptite Breather Membrane BBA Certificate 15/5274 Third Issue Dated 23/09/2019

Wraptite SA Breather Membrane LABC Warranty P/0006

Spaceloft European Data Sheet

Spaceloft European Technical Assessment ETA-11/0471

Contact Information

A. Proctor Group Ltd

The Haugh

Blairgowrie

PH10 7ER

Tel: 01250 872261

Email: contact@proctorgroup.com

Web: www.proctorgroup.com