

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

Permavent SkyTech PROXL

Description of Product

Permavent SkyTech PROXL is an insulated breathable membrane for use in roofs and walls. It has the benefit of a Euroclass fire rating of A2s1do and has a thermal conductivity (lambda value) of 0.033 W/mK. It can be used in conjunction with any type of insulation and is available in rolls of 18m² (1000mm width) in a 10mm thickness.



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 13th May 2015 and is valid until 13th May 2020.

Issue Dated 10th May 2019

Scope of Registration

SkyTech PROXL is manufactured by WINCO technologies in France. The product has been tested for Winco Technology, by CSTB Grenoble, under the Process thermal resistance in accordance with DIN EN 16012. It has also been tested under NF EN 13501 – 1 with regard to classification using data from reaction to fire test. The product carries a CE mark and declaration of performance in compliance with EN 13859-1 : 2005.

SkyTech PROXL can be used with any type of roof cover (metal, tiles, slates) for new and refurbishment projects. Because of its fire properties, SkyTech PROXL can also be used to upgrade fire performance of roofs in fire exposed areas.

The product is fixed using corrosion-resistant staples or nails

The product should be used in a prescribed manner and location as indicated by the manufacturer and installed according to their instructions and manuals.

The product should be used in conjunction with other insulation materials to achieve the required thermal properties.

To ensure maximum thermal efficiency, it is recommended to leave a 20mm minimum air gap, either side of SkyTech PROXL between the product and other parts of the structure.

Joints should be overlapped by at least 100mm and sealed with the recommended 100mm REFLEXBOND aluminium tape. Overlap may require increasing for shallow exposed roof pitches or high altitude (900m) installations.

Conditions of Certificate

SkyTech PROXL is highly reflective. When installing it outside, you should wear sunglasses to protect your eyes. The SkyTech PROXL face with the black line (tissue face aspect) should be oriented towards the exterior. The fire rating Euroclass A2-s1, d0 can only be guaranteed with the use of REFLEXBOND aluminium tape. The REFLEXBOND tape must be applied on a dry and clean surface (without dust, oil, grease). It is very important to apply sufficient pressure on the tape and to apply REFLEXBOND when the temperature exceeds 5°C. SkyTech PROXL should be installed with a maximum distance between rafters of 900mm. In order to prevent oxidation, do not install SkyTech PROXL in direct contact with copper, brass or lead. Because SkyTech PROXL is highly reflective; the air gap between the roof cover and the roof membrane should be at least 38mm for roof spans shorter or equal to 8m. The air gap located under SkyTech PROXL (inside facing) should not be ventilated. For effective thermal performance it should be at least 20mm between existing/ new insulation and SkyTech PROXL.

The U-value of the elements will depend on the thickness of additional insulation used, the extent and arrangement of timber bridging and the insulation value of other components/ layers details of which can be found in manufacturer's literature.

The products should be used in a prescribed manner and location as indicated by the manufacturer and installed according to their instructions and manuals.

SkyTech PROXL is a non-loadbearing product. It will resist normal loads associated with installation and use.

SkyTech PROXL can be fixed directly to a chimney, fire or any source of ignition. However care should be taken with any associated insulation materials which may require separation from a chimney with a fire resistant material.

LABC consider that, SkyTech PROXL 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 products are acceptable.
AD B	Fire Safety
Note:	Subject to limitations detailed in Conditions section.
AD C	Site preparation and resistance to contaminants and moisture
Note:	Subject to limitations detailed in Conditions section.
AD L1B	Conservation of fuel and power
Note:	The thermal insulation performance of this system should be considered in the context of the contribution made to the overall performance.



The Building Regulations 2010 (as amended) England

AD L1A	Conservation of fuel and power
Note:	The thermal insulation performance of this system should be considered in the context of the contribution made to the overall performance.



The Building Regulations 2010 (as amended) Wales

AD L1A	Conservation of fuel and power
Note:	The thermal insulation performance of this system should be considered in the context of the contribution made to the overall performance.



If you would like to discuss a specific use of the product in Scotland it will require an additional assessment under the Scottish Building Regulations and accordingly you should contact the LABSS STAS Administrator at www.labss.org

Non-Regulatory Information



LABC Warranty

The use of the SkyTech PROXL 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

Declaration of Performance – Certificate No. 20170110/SKYTECHPROXL/004

Fitting Instructions

FR-SKYTECH PRO XL-ETANCHEITE A L'AIR – 20140324 Report No: 404/14/93/200 Dated 24th March 2014

FR-SKYTECH PRO XL-EXCELL ZONE VERT – 20140324 Report No: 2017-11-100-01 Date of Report: 8th January 2018

FR-SKYTECH PRO XL-PELAGE – 20180108 Report No: 90-17-0091 Date of Report: 21st April 2017

FR-SKYTECH PRO XL-CLASSEMENT REACTION AU FEU – 20151222 Report No: P148597 Date of Report: 22nd December 2015

FR-SKYTECH PRO XL-W1 AVEC REFLEXBOND – 20170328 Report No: 90-17-0074 Date of Report: 27th March 2017

FR-SKYTECH PRO XL-W1, PELAGE, TRACTION, SD, CLOU, FLEXIBILITE – 20160318 Report No: 90-16-0035 Date of Report: 12th February 2016

FR-SKYTECH PRO XL-ACOUSTIQUE – 20080107 Report No: 404 / 07 / 260 / 1 du 17/01/08

FR-SKYTECH PRO XL-COV – 20130107

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