

This certificate is valid for building regulations and associated technical guidance in force at the time of the registration and for the regulations in Scotland only – references to LABBC does NOT imply approval in England and Wales

## Tech-Pro Breathable Insulated Membrane

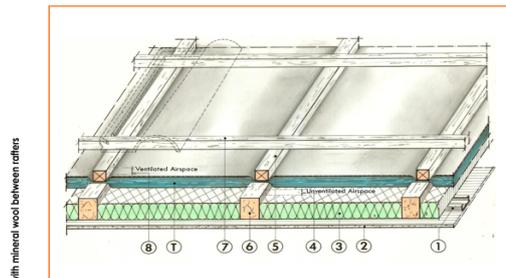
### Description of Product

Tech-Pro is a breathable multi layered insulation material for use in roofs.

Tech pro is made from a unique combination of flax, cotton, polyester wadding and micro perforated metallised films, protected by a highly permeable reinforced reflective membrane.

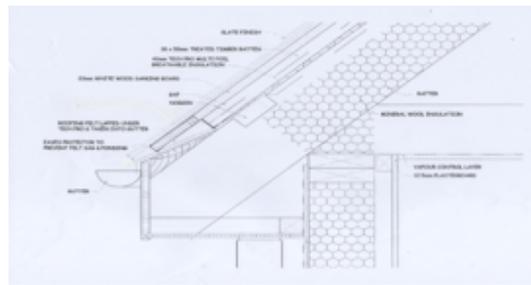
The product can be positioned:

- LABSSRD36A - over rafter and below battens, and
- LABSSRD36B - under softwood sarking boards.



TechPRO - over rafter application with mineral wool between rafters

KEY	
1	Resilient bar
2	Plasterboard
3	Traditional insulation
4	Unventilated airspace
5	Counter batten 40 x 40
6	Rafter
7	Tile batten
8	Ventilated airspace
T	Tech-PRO



### 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 1 December 2019 and is valid until 30 November 2020  
Issue Date: 1 December 2019

## Scope of Registration

Tech Pro is a 42mm thick multi-foil insulation product with a declared thermal resistance of 2.447 m<sup>2</sup>K/W.

Additional insulation may be required to achieve required u-values. In terms of fire performance, the material is considered as European Classification F (no test) and therefore will need to be positioned remotely from any chimney or boiler flue.

These registered details cover its use in roofs

## Conditions of Certificate

The product itself must be supplied, prepared and applied strictly in accordance with the manufacturer's instructions and specifications.

### **For Scotland purposes:**

These registered details, 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 and Non-Domestic Technical Handbooks which came 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 these registered details.

The materials specified shall not be changed without first gaining approval so to do. Failure to do so will invalidate these registered details.

These Registered Details 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. It supports the site-specific building warrant submission required in every case

**These Registered Details shall contribute to compliance with relevant Mandatory Standards specified under the Building (Scotland) Regulations 2004 as amended when read with the Scope of Registration and the Conditions of Certificate Sections to this Registered Detail.**

## Regulations



LABSS consider that Tech-Pro Breathable Insulated Membrane, will meet the functional requirements of the Building Regulations (listed below) if the criteria detailed in this certificate are met.

### **The Building (Scotland) Regulations 2004 (as amended)**

#### **Technical Handbook Domestic and Non-Domestic**

Regulation 8 Durability, workmanship and fitness of materials

Note: The product is deemed acceptable.

Regulation 9 Building Standards applicable to construction

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 installed in accordance with the manufacturer's details.

Mandatory Standard 3.15 Condensation

3.15.5 Interstitial condensation

Note: The product is breathable so will contribute to the control of interstitial condensation.

Mandatory Standard 6.2 Building insulation envelope

6.2.1 Maximum u-values for new buildings

The product can contribute to meeting compliance with Clause 6.2.1, u-value calculations should be supplied for each specific case.

Mandatory Standard 7.0 Sustainability

7.1.1 Levels of sustainability

The product can contribute to meeting compliance with Clause 7.1.1.

## Supporting Information

- Example u-value and condensation risk calculations
- Determination of tear resistance report - 68/06/304
- Determination of thermal resistance report No 160SF/18U
- Permeability to water vapour report No 90-18-0014
- Declaration of performance 11.6.48.2 issue 2
- Tech PRO – technical data sheet
- Volatile Organic Compounds analysis report 20 July 2012
- Acoustic performance report 06/CTBA-IBC/PHY/260
- UK installation guidelines
- Tech PRO Installation Guidelines
- Tech PRO - over rafter with traditional insulation-FT

## Contact Information

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