

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

Aluthermo Roofreflex®

Description of Product

This is an assessment of Aluthermo Roofreflex® which is a reflective breather membrane, insulating both thermally and acoustically. Hydrophobic but highly vapour permeable (H.P.V.), it is composed of a reflective geotextile, combined with an insulating 37 mm thick layer of stable, hydrophobic and self-extinguishing polyester fibre.

In comparison to the existing roof membranes guaranteeing only water tightness, Aluthermo Roofreflex® also reduces heat loss by combining reflective and low conduction insulation.



Key Factors Assessed

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

Validity

This certificate was first issued on 9th January 2015 and is valid until 4th April 2021

Issue Dated 3rd March 2016

Scope of Registration

This product has been assessed for use in roof and walls in accordance with the literature detailed in the certificate and the certificate itself.

This product is not for use in flat roofs and should be used in conjunction with other insulation.

Conditions of Certificate

Not for use on flat roofs.

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 came into force with effect from 1 June 2016.

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.

The Registered Detail shall be valid for a period of 12 months from the date of issue or until otherwise invalidated by formal notice by LABSS.

The Registered Detail may be re-validated after 12 months following a request and payment of an annual renewal fee from the Registered Detail Holder.

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, Roofreflex System, 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 below in Conditions section.

AD C Site preparation and resistance to contaminants and moisture

Note: Subject to limitations detailed below 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 of the roof structure.



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 of the roof structure.



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 of the roof structure



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

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
3.10.1	General provisions
3.10.8	Roof constructions - pitched

Mandatory

Standard 3.15	Condensation (Domestic)
3.15.1	Condensation
3.15.3	Control of condensation in roofs
3.15.5	Interstitial condensation
3.15.7	Roof constructions (pitched)

Mandatory

Standard 6.2	Building insulation envelope
6.2.0	General
6.2.11	Alterations to the insulation envelope

Non-Regulatory Information



LABC Warranty

The use of the Roofreflex System 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

TSUS test report no 90-14-0035

TSUS test report 90-14-0183 Declaration of Performance no 001.DoP-2014/09/01 Novia Data Sheet DS1213 ReflexFL for Novia DO93/135 reflex membrane (The breathable membrane part of Aluthermo Roofreflex®)

DIBt test report Z-23-11-1906 for polyester fibre

Aluthermo Roofreflex® installation instructions

Aluthermo Roofreflex® Multifoil Template

Aluthermo Roofreflex® Product Sheet

Roof Reflex Application sheet Aluthermo Website

Melin Calculation sheets Aluthermo Roofreflex® Timber Frame cavity Timber Frame U value of 0.18 and 0.28

Sloping Roof centres @ 400mm U- values 0.13 and 0.18 centres 600mm U-values 0.13 and 0.18

Contact Information

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