

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 2019

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.

LABC 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)

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 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