

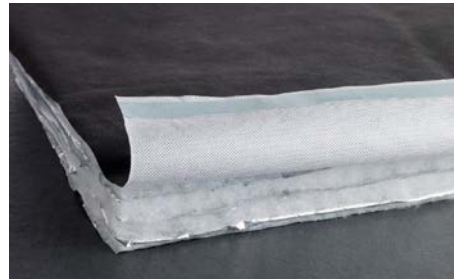
This certificate is valid for Building Regulations & associated technical guidance in force on the date of registration and for the regulations in the countries indicated

## Actis Ltd – Boost<sup>R</sup> Hybrid / Boost<sup>R</sup> Hybrid Roof

### Description of Product

Boost<sup>R</sup> Hybrid / Boost<sup>R</sup> Hybrid Roof is a thin multifoil insulation with built-in breather membrane for use on the cold side of the building fabric usually in roofs, walls and floors. It can be used in conjunction with any type of other insulation. Boost<sup>R</sup> Hybrid / Boost<sup>R</sup> Hybrid Roof is 35mm thick and is available in rolls covering approximately 10m<sup>2</sup> (1500mm wide).

Please consult the 'Conditions of Certificate' and 'Non-Regulatory Information' sections to see if the system is acceptable for use on sites covered by LABC Warranty.



### Key Factors Assessed

- Mechanical Resistance & Stability
- Safety in case of Fire
- Health, Hygiene and Environmental
- Safety in Use
- Energy Economy and heat retention

### Validity

This certificate was first issued on 26<sup>th</sup> June 2014 and is valid until 4<sup>th</sup> November 2021

Issue Dated 11<sup>th</sup> December 2020

## Scope of Registration

Boost<sup>®</sup> Hybrid / Boost<sup>®</sup> Hybrid Roof is watertight, but allows for water vapour diffusion through the structure. Boost<sup>®</sup> Hybrid / Boost<sup>®</sup> Hybrid Roof is installed on the outside of any insulation product and can be in direct contact with it.

- Boost<sup>®</sup> Hybrid / Boost<sup>®</sup> Hybrid Roof is suitable for all wind zones (1-5) throughout the UK in accordance with Annex A of BS5534

- To ensure maximum thermal efficiency, it is recommended to leave an air gap either side of Boost<sup>®</sup> Hybrid / Boost<sup>®</sup> Hybrid Roof, between it and any other parts of the structure (e.g. additional thermal insulation).

- Boost<sup>®</sup> Hybrid / Boost<sup>®</sup> Hybrid Roof is installed with the perforated copper coloured film facing inwards and the watertight breather membrane facing outwards.

- Can be installed horizontally over rafters as a breathable roof underlay, or as a breathable sheathing membrane in a wall construction.

- The product is fixed using corrosion-resistant staples or nails. In the case of installation on a metal frame, double-sided tape is recommended.

- Boost<sup>®</sup> Hybrid / Boost<sup>®</sup> Hybrid Roof is available with or without a built in self-adhesive flap, which facilitates sealing of joints between adjacent sheets. Where there is no flap, joints are to be lapped by at least 100mm and sealed with ACTIS Multidhesif tape recommended for the product.

- Boost<sup>®</sup> Hybrid / Boost<sup>®</sup> Hybrid Roof may also be used under tiles supported on OSB sarking boards, provided that a specific condensation risk calculation is carried out to confirm that there is no significant risk of condensation forming within the roof structure.

Test Standard	EN 16012	
Insulation Product Type	3	
Test Method	EN ISO 8990:1996	
Thermal conductivity ( $\lambda$ )	0.026	W/mK
Emissivity	0.31/ 0.05	
Water vapour resistance	0.25/0.55	MNs/g
Fire performance	NPD	
Product Thickness	35	mm
Core RD value (thermal resistance)	1.35	M2K/W
RD value with 1 or 2 air spaces	2.4	M2K/W
Air space thickness	20	mm
Direction of heat flow when tested	Horizontal	
Width	1.5	m
Weight	650	g/m <sup>2</sup>
Roll length	6.7	m

Note: Boost<sup>®</sup> Hybrid / Boost<sup>®</sup> Hybrid Roof may also be available with alternative CE marked outer membranes, having different emissivity values to those shown in the table. This may affect the thermal performance of the outer air cavity and the Declaration of Performance for the outer membrane should be consulted in this case. Boost<sup>®</sup> Hybrid Roof has a black breather membrane component with an emissivity of  $e=0.9$ .

When compressed between rafters / studs and battens, the compressed nominal thickness of Boost<sup>®</sup> Hybrid / Boost<sup>®</sup> Hybrid Roof has been determined as 7mm. The related R-value of the 7mm compressed product is 0.22 m<sup>2</sup>K/W.

LABC and LABSS consider that, Boost'R Hybrid / Boost'R Hybrid Roof, if used in accordance with the provisions of this Certificate, will meet or contribute to meeting the relevant requirements of the following Building Regulations:



### 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 L	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 L	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 L	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 (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
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.

## Non-Regulatory Information



### LABC Warranty

The product has been assessed by LABC Warranty and is considered acceptable for use on sites covered by LABC Warranty subject to the conditions listed.

## Supporting Documentation

Approved Document L

EN 16012: 2012

Actis, Technical Documentation Issue 10/07/2013 EN 13859-1 and EN 13859-2

Actis Boost R Hybrid installation guidelines

VTT certificate no VTT-C 9328-13 dated 14/02/2013 UPDATED under Eurofins 14/12/2018

BM Trada Q mark certificate no CPS-014 date 04/03/2013

Exova BM Trada Q-Mark Registration Schedule dated 12/04/2017 Issue No 2

Multifoil template dated 18/04/2013

Declaration of Performances version 001-EN

In addition for Scottish purposes:

Details - Pitched roof build up – DRW no TE 426, 431, 432

## Contact Information

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