Certificate No: EWWS461

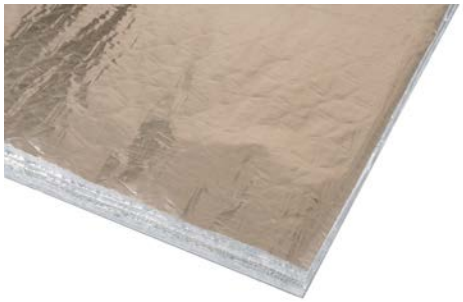
This certificate is valid for Building Regulations & associated technical guidance in force on the date of registration and for the regulations in the countries indicated

Actis Ltd - HCONTROL HYBRID

Description of Product

HCONTROL HYBRID is a reflective vapour control layer with a built-in thermal performance for use on the warm side of the building fabric, behind the internal finish usually in walls, ceilings and floors.
It can be used in conjunction with any type of other insulation. HCONTROL HYBRID is 45mm thick and is available in rolls covering approximately 10m² (1600mm 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 26th June 2014 and is valid until 4th November 2021

Issue Dated 11th December 2020

LABC | 66 South Lambeth Rd | London | SW8 1RL
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Scope of Registration

HCONTROL HYBRID is installed on the warm side of any insulation material and can be in direct contact with it. HCONTROL HYBRID is airtight and prevents any water vapour diffusion through the structure, if installed as a continuous layer.
- To ensure maximum thermal efficiency, it is recommended to leave an air gap either side of HCONTROL HYBRID, between it and any other parts of the structure (e.g. plasterboard or additional thermal insulation).
- HCONTROL HYBRID is installed with the copper coloured film facing the inside (warm side) of the building.
- Can be installed horizontally or vertically behind the internal finish in roofs, walls and ceilings.
- The product is fixed using corrosion-resistant staples or nails. In the case of installation on a metal frame, double-sided tape is recommended.
- Joints should be overlapped by at least 50mm and sealed with the recommended ACTIS ISODHESIF tape.
- The product can also be butt-jointed and sealed with ACTIS ISODHESIF tape.
- In the case of horizontal installation, noggins are recommended as support to the joints to ensure a secure and airtight fixing point.

Test Standard	EN 16012	
Insulation Product Type	3	
Test Method	EN ISO 8990:1996	
Thermal conductivity (λ)	0.024	W/mK
Emissivity	0.06	
Water vapour resistance	>1000	MNs/g
Fire performance	NPD	
Product Thickness	45	mm
Core RD value (thermal resistance)	1.9	M2K/W
RD value with 1 or 2 air spaces	3.2	M2K/W
Air space thickness	20	mm
Direction of heat flow when tested	Horizontal	
Width	1.6	m
Weight	850	g/m2
Roll length	6.25	m

When compressed between rafters/studs and battens, the compressed nominal thickness of HCONTROL HYBRID has been determined as minimum 9 mm. The related R-value of the 9 mm compressed product is 0.33 m2K/W.

For Scotland purposes:

HControl Hybrid is a multifoil insulation with vapour control function and as such should be installed on the warm side of insulation within construction build-ups.
There may be some installations where the product is used on the cold side of insulation, because of its thermal performance. Such applications will require a specialist vapour control layer to avoid potential interstitial condensation.
While this use of the product is very rare, it is covered by third party certification.

Actis Hybrid products have been tested according to BS EN16012 and have a declared thermal performance of the core and with associated air spaces. Whilst low-emissivity cavities enhance the thermal performance of the overall build-up, they are not a requirement for the products to perform.

Regulations

LABC and LABSS consider that, the HControl Hybrid, 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 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 13984:2013
Actis HControl Hybrid installation guidelines
VTT certificate no VTT-C 9190-12 dated 03/12/2012 UPDATED under Eurofins 14/12/2018
BM Trada Q-Mark Registration Schedule no CPS-013 dated from 04/03/2013
Multifoil template dated 18/04/13 Declaration of Performances No DP-HCONTROL HYBRID 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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