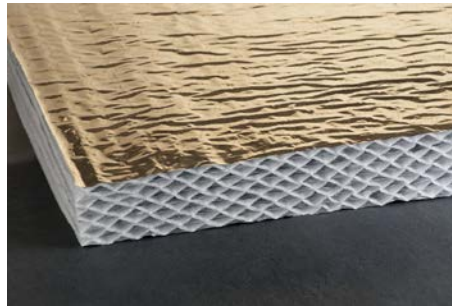


This certificate is valid for Building Regulations & associated technical guidance in force on the date of registration and for the regulations in the countries indicated

Actis Ltd - Hybris

Description of Product

HYBRIS is a reflective insulation product based on a honeycomb structure and low emissivity films. HYBRIS is an insulation material generally used for wall, pitched roof, ceiling and floor applications, especially suitable for timber frame and masonry construction. HYBRIS is available in various thicknesses from 45mm to 205mm.



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



Scope of Registration

Hybris is a reflective insulation product which is typically installed between studs (walls) or rafters (roofs). Hybris is airtight and intrinsically resistant to water vapour.

- Hybris must be installed with the embossed copper coloured film facing the inside (warm side) of the building.
- It can be in direct contact with building components (1 or 2 sides) but the thermal efficiency will be improved with air gaps on both sides (e.g. service void).
- Hybris must be used in conjunction with a breather membrane or roofing felt.
- Hybris is usually associated with an independent and continuous vapour control layer which will also ensure air tightness.
- If a separate VCL is not used, then joints between HYBRIS insulation must be sealed with an ACTIS adhesive tape.
- Hybris is cut approx. 5-10mm wider than the gap between stud or rafter centres and it is necessary to obtain a tight friction fit.
- For extra support staple HYBRIS top and bottom to timbers and tape adjacent HYBRIS panels with ACTIS tape.

| | | |
|------------------------------------|------------------------------------|-------|
| Test Standard | EN 16012 | |
| Insulation Product Type | 2 | |
| Test Method | EN 12667 | |
| Thermal conductivity (λ) | 0.033 | W/mK |
| Emissivity | 0.06/ 0.10 | |
| Water vapour resistance | 450 | MNs/g |
| Fire performance | Euroclass F | |
| Product Thickness | 45-205 | mm |
| Core RD value (thermal resistance) | See below | M2K/W |
| RD value with 1 or 2 air spaces | See below | M2K/W |
| Air space thickness | 13 roof - 20 wall (recommended) | mm |
| Direction of heat flow when tested | Vertical | |
| Length | 1200 | mm |
| Width | 1145 | mm |
| Weight | 9500 | g/m3 |

LABC and LABSS consider that, Hybris, 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 BS EN 16012: 2012, EN12667

Actis, Technical Documentation Issue 10/07/2013

Actis Hybris installation guidelines

VTT certificate no VTT-C 9432-13 dated 12/02/2013 updated 21/03/2013 UPDATED under Eurofins 20/07/2018

BM Trada Q mark certificate no BIPS-0106 revision date 04/03/2013

VTT certificate no VTT-S-01403-15 dated 16/12/2013

Multifoil template dated 18/04/2013

In addition for Scottish purposes:

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

Actis Hybris installation guidelines PZ509

Contact Information

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