

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

## YBS BreatherQuilt

### Description of Product

This is an assessment of YBS BreatherQuilt; a water vapour permeable (breathable) insulation material made up of layers of metallic foil and wadding connected by double T plastic clips to avoid thermal bridging. For use in slate and tile roofs of dwellings and buildings with similar temperature and humidity conditions designed and constructed in accordance with the relevant clauses of BS5534.



### Key Factors Assessed

- ☐ Safety in case of Fire
- ☐ Health, Hygiene and Environmental
- ☐ Energy Economy and heat retention
- ☐ Durability serviceability and identification

### Validity

This certificate was first issued on 1<sup>st</sup> September 2015 and is valid until 1<sup>st</sup> September 2022.

Issue Dated 6<sup>th</sup> January 2020

## Scope of Registration

Use in dwellings and buildings with similar temperature and humidity conditions and correctly detailed tiled or slated pitched roofs with a slope no less than 20° and no greater than 70° designed and constructed in accordance with the relevant clauses of BS 5534. Not to be exposed to organic solvents or plasticisers.

## Conditions of Certificate

Install with reflective side on underside.

Only detailed as pitched roof insulation not to be carried over junctions between roofs and compartment walls or walls and roofs required to provide a minimum level of fire resistance.

To be installed in accordance with the manufacturer's guidance and the guidance in the BDA Agrément BAR 15-045/01/C.

To be adequately separated or shielded from a chimney, flue, fireplace recess, heat producing appliance or hearth.

The product should be assessed using an unvented cavity on the underside of nominal 25mm and a slightly or well ventilated cavity on the upper side according to BS EN ISO 6946 and /or BR 443.

The thermal bridging effect has to be assessed according to BRE information Bulletin No3 Reflective Foil Insulation – conventions for U- value calculations March 2010. Yorkshire Building Services can advise on thicknesses of additional insulation required to meet required insulation standards for particular situations.

LABC consider that, YBS BreatherQuilt, 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

AD B	Fire safety
Note:	B3(4) Internal Fire Spread (Structure) Junctions between roofs and compartment walls must be fire stopped. The insulation must not be carried over junctions between roof and walls required to provide a minimum period of fire resistance.
AD C	Site Preparation and resistance to contaminants and moisture
Note:	The product can adequately resist the passage of moisture to the underlying structure provided the roof is constructed in accordance with BS 5534 and the manufacturer's guidance.
AD J	Protection of the building from heat producing appliances
Note:	In order to comply with this Regulation, the product shall be adequately separate, or shielded from a chimney, flue, fireplace recess, heat producing appliance or hearth. The separations recommended where appropriate, are detailed in AD J.
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 element of the building. Roofs constructed using the product can be designed and constructed to provide a U-value of no greater than 0.20 W.m <sup>2</sup> K
Regulation 7	Materials and workmanship
Note:	The product is acceptable



## 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 element of the building.



## 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 element of the building.



## 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](http://www.labss.org)

## Non-Regulatory Information



### LABC Warranty

The use of the YBS BreatherQuilt 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@labcwarrantv.co.uk](mailto:technical.services@labcwarrantv.co.uk)

## Supporting Documentation

KIWA BDA Agreement BAR 15-045/01/C

YBS BreatherQuilt Technical Guide YBS V101/2015

BS 5534: 2003 +A1: 2010 Code of practice for slating and tiling

BS 5250: 2011 Code of practice for control of condensation in buildings

BS EN ISO 6946: 2007 Building components and building elements –Thermal resistance and thermal transmittance-Calculation method

BS EN 16012: 2012 Thermal insulation for buildings-Reflective insulation product-Determination of the declared thermal performance

Building Regulations 2010 (as amended) Approved Documents

## Contact Information

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