

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

## Recticel Eurowall + cavity wall insulation

### Description of Product

EUROWALL + is a foil-faced rigid polyisocyanurate (PIR) foam board for use as full fill thermal insulation. It is designed to leave a 10 mm residual cavity in new external masonry cavity walls up to 25 metres in height in domestic and non-domestic buildings. Additional requirements will apply where buildings exceed 12 metres in height.



### Key Factors Assessed

- Safety in case of Fire
- Safety in Use
- Energy Economy and heat retention
- Durability serviceability and identification

### Validity

This certificate was first issued on 24<sup>th</sup> February 2016 and is valid until 24<sup>th</sup> February 2017.

Issue Dated 24<sup>th</sup> February 2016

## Scope of Registration

The registered system relates to the Recticel EUROWALL + insulation for external masonry cavity wall applications. As defined in the supporting BBA Agreement Certificate masonry includes clay and calcium silicate bricks, concrete blocks, and natural and reconstituted stone blocks. It is a full fill cavity wall insulation forming a 10 mm residual cavity. The product is designed for use in new domestic and non-domestic buildings up to and including 25 metres in height and it is essential that design and construction adheres to the relevant sections of the Agreement Certificate 02/3908 to prevent moisture penetration. This Certificate permits the use of the product in any exposure zone subject to consideration of the need for any external render application or finish in severe exposure zones "where such application would be normal practice".

## Conditions of Certificate

Recticel specialists will attend site on request to ensure correct installation, it however essential that the product is installed by a competent builder with experience and or training in correct installation techniques.

The inner leaf should be constructed ahead of the outer leaf so that mortar can be cleaned off the back of the inner leaf before installing the product and the boards should never be pushed into a cavity.

Consideration should be given to any additional warranty standards.

Where the walls of a building are between 12 metres and 25 metres high, the maximum height of any continuous cavity must not exceed 12 metres. Above 12 metres, the maximum height of continuous cavity must not exceed 7 metres.

Raked or recessed mortar joints should not be specified for very severe exposure areas.

Internal and externally wall corners are to be constructed incorporating a 300mm vertical dpc as detailed in manufacturers literature and Agreement Certificate 02/3908

Each board should be secured at a minimum of three points as detailed in manufacturers literature and Agreement Certificate 02/3908. These specify that the boards should be installed between the upper and lower wall ties, behind the retaining clips, with the tongue and groove edges tightly interlocked to form a closely-jointed run (tongue upper-most). It is essential that all wall ties slope downwards towards the external leaf, with the drip positioned in the centre of the boards pointing downwards to shed water away from the internal leaf. It is important that the first row of boards are not in contact with the ground. Excess mortar should always be cleaned from the cavity face of the internal leaf.

At reveals, additional wall tie restraint is provided by an additional wall tie included within 225 mm of the opening on each board course level to satisfy the structural requirements of the wall. This is to avoid piercing the boards using a conventional additional tie at 300mm centres which may introduce an unacceptable risk of water penetration.

The first run of boards should commence at least 150 mm below the dpc level.

Advice should be sought from a specialist for the design and installation of cavity trays.

For LABC Warranty purposes:

For use only as a 'full fill thermal insulation (with a 10mm residual cavity) in a new external masonry wall (masonry to both leafs)

The system is not suitable for use in an external masonry cavity wall found in a 'Very severe 'exposure location with a fair faced external masonry leaf.

With this type of rigid full fill insulation board, the construction of 'cavity damp proof trays' must be carefully detailed and constructed following best practice.

LABC consider that Eurowall + 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 B3(4)	Internal fire spread structure
Note:	The product can contribute to meeting this requirement
AD C2(abc)	Resistance to moisture
Note:	The product can contribute to meeting this requirement
AD D1	Toxic cavity substances
Note:	The product can contribute to meeting this requirement
AD L1B/2A&B	Conservation of fuel and power
Note:	The product can contribute to meeting this requirement
Regulation 7	Materials and workmanship
Note:	The product can contribute to meeting this requirement



### The Building Regulations 2010 (as amended) England

AD L1A	Conservation of fuel and power
Note:	The product can contribute to meeting this Requirement.
Regulation 26	CO2 emission rates for new buildings
Regulation 26a	Fabric energy efficiency rates for new dwellings



### The Building Regulations 2010 (as amended) Wales

Regulation:	L1A Conservation of fuel and power
Note:	The products can contribute to meeting this Requirement.
Regulation 26a	Primary energy consumption rates for new building
Regulation: 26b	Fabric performance values for new dwellings



### 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

LABC Warranty conditionally accepts the use of Eurowall + when installed and used in accordance with the Scope and Conditions of this Certificate. Visit [www.labcwarranty.co.uk](http://www.labcwarranty.co.uk) for our LABC Warranty Technical Manual requirements and Warranty conditions of acceptance.

## Supporting Documentation

BBA certificate No 02/3908

BBA Test Report No 57833

BBA Test Report No 57713

Recticel - example thermal calculation reference UCS1699LB

Recticel – product information data sheet number W RWV VF 001 revision 2

Recticel - declaration of performance No. 64698-a-CPR\_2015.06.01

Recticel – product audit information and description of test method

## Contact Information

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