

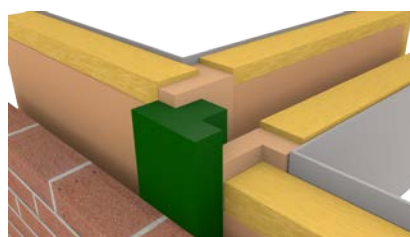
This certificate is valid for Building Regulations & associated technical guidance in force on the date of registration and for the regulations in the countries indicated

## Arc T-Barrier Timber

### Description of Product

This is an assessment of Arc T-Barrier for timber frame construction. Its function is to provide an effective edge seal around the party wall cavity and to provide a complete fire barrier between the two dwellings, both in the vertical cavity and the cavity between the pitched roofs.

By creating an effective edge seal around the party wall cavity, the ARC T-Barrier System helps to achieve a zero U-value at the party wall.



### Key Factors Assessed

- Safety in case of Fire
- Protection against noise
- Energy Economy and heat retention

### Validity

This certificate was first issued on 15<sup>th</sup> December 2016 and is valid until 15<sup>th</sup> December 2020

Issue Dated 15<sup>th</sup> February 2018

## Scope of Registration

ARC T-Barrier Vertical Timber Frame provides up to 1hrs fire resistance integrity protection and meets Robust Detail requirement. This product is designed to be fitted as the timber kit is erected. Butt joints should be compressed together as much as possible to ensure a tight fit without gaps.

ARC T-Barrier Pitched Roof provides a fire, thermal and acoustic barrier between the top of the party wall blockwork and the underslating felt. The product is fitted along the length of the roof pitch, from soffit to apex. Installation is when party wall complete and is held in place by compression between the two leaves of the party wall.

ARC Tile Batten Barrier provides a fire, thermal and acoustic barrier between the roof tiles and roof membrane, works with the ARC T-Barrier Pitched roof to create a complete fire break at the separating wall.

ARC Soffit Slab is designed to fill the void within the soffit, providing a fire, thermal and acoustic barrier between dwellings.

## Conditions of Certificate

The Arc T-Barrier Timber must be installed in accordance with the Manufacturer's instructions.

For LABC Warranty purposes:

LABC Warranty accepts the use of Arc T-Barrier Masonry provided it is installed, used and maintained in accordance with Chapter 7 of the Technical Manual.

The LABC Warranty product approval is based on the Exova Warrington Certificate of Approval No CF 5403 remaining in place. Should this lapse, the Warranty Product Approval will be withdrawn.

For Scotland purposes:

The specifications and materials referred to have been assessed in accordance with the Building (Scotland) Regulations 2004 and in accordance with the supporting guidance in the Domestic Technical Handbooks which came into force with effect from 1 July 2017.

Where reference is made on a plan or specification document to any Code of Practice, British or European Standard or manufacturer's instruction it shall be construed as a reference to such publication in the form in which it is in force at the date of this Registered Detail.

The materials specified shall be for purposes of this Registered Detail and should not be changed without first gaining approval so to do from Local Authority Building Standards Scotland [LABSS]. Failure to do so will invalidate the Registered Detail.

This Registered Detail should not be regarded as a formal approval under the building warrant process prescribed by the Building (Scotland) Act 2003 enacted from 1 May 2005.

This Registered Detail shall contribute to compliance with relevant Mandatory Standards specified under the Building (Scotland) Regulations 2004 as amended when read with the scope, conditions and regulations sections to this Registered Detail



LABC and LABSS consider that, Arc T-Barrier Timber 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 4	Requirements relating to building work
Note:	The system is acceptable in so far as it relates to the following requirements contained in schedule 1.
AD B	Fire Safety
Note:	The system is acceptable as detailed under the Scope of Registration section.
AD C	Resistance to Moisture
Note:	The system is acceptable.
AD E	Resistance to the passage of sound
Note:	The system is acceptable as detailed under the Scope of Registration section.
AD L	Conservation of Fuel and Power
Note:	The system is acceptable as per the Thermal bridging report from Leeds Beckett University.



## The Building Regulations 2010 (as amended) England

AD L1	Conservation of Fuel and Power
Note:	The system is acceptable as per the Thermal bridging report from Leeds Beckett University.



## The Building Regulations 2010 (as amended) Wales

AD L1	Conservation of Fuel and Power
Note:	The system is acceptable as per the Thermal bridging report from Leeds Beckett University.



## 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
Note:	The product is acceptable if supplied and installed in accordance with the manufacturer's specifications and instructions.

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.
Mandatory	
Standard 2.3	Structural protection
Note:	The product can contribute to meeting Clauses 2.3.5 in both the Domestic and Non-Domestic Handbooks if supplied and installed in accordance with the manufacturer's specifications and instructions.
Mandatory	
Standard 2.4	Cavities
Note:	The product can contribute to meeting Clauses 2.4.1 if supplied and installed in accordance with the manufacturer's specifications and instructions.
Mandatory	
Standard 3.10	Precipitation
Note:	The product can contribute to meeting Clauses 3.10.3 if supplied and installed in accordance with the manufacturer's specifications and instructions.
Mandatory	
Standard 5.1	Noise separation
	The product can contribute to meeting Clauses 5.1.2 if supplied and installed in accordance with the manufacturer's specifications and instructions.
Mandatory	
Standard 6.2	Building Insulation Envelope
Note:	The product can contribute to meeting Clauses 6.2.3 Domestic, 6.2.5 Non-Domestic, 6.2.10 Domestic and 6.2.12 Non- Domestic if supplied and installed in accordance with the manufacturer's specifications and instructions.

## Non-Regulatory Information



### LABC Warranty

LABC Warranty conditionally accepts the use of Arc T-Barrier Timber 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

Chiltern International Fire report Chilt/IF12020 Revision A

Leeds Beckett University Thermal Bridging Report – ARC Building Solutions T – Barrier

ARC T – Barrier Timber Frame Specification sheet

Exova Warrington Certificate of Approval CF5403

## Contact Information

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