



# Certificate No: EWS05E



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 Curtain Wall Barrier (3 Hours Fire Integrity)

### Description of Product

ARC Curtain Wall Barrier (3 Hours Fire Integrity) is a curtain walling fire barrier capable of achieving 3 hours fire integrity.



### Key Factors Assessed

- Safety in case of Fire
- Health, Hygiene and Environmental
- Energy Economy and heat retention

### Validity

This certificate was first issued on 6<sup>th</sup> May 2011 and is valid until 28<sup>th</sup> November 2021

Issue Dated 12<sup>th</sup> October 2018

## Scope of Registration

This Registered Solution relates to the ARC Curtain Wall Barrier, designed to provide a smoke and fire barrier where curtain wall cladding systems are used with up to 3 hours fire integrity.

Limitations of use apply and are detailed on the attached Drawing and Document list.

For Scotland purposes:

The ARC Curtain Wall Barrier has been designed to provide a 3-hour fire barrier in an external curtain wall situation. The barrier is impaled on to the ARC insulation spike which has been installed onto the outside of the internal leaf. The barrier does not require a compression fit but is required to have a snug fit within the cavity space. Any site inaccuracies or deflection need to be sealed with a suitable intumescent sealer.

## Conditions of Certificate

To be designed and installed in accordance with ARC Curtain Wall Datasheet V1.1 11.06.2012.

Suitable for cavities up to 300mm.

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 Curtain Wall Barrier (3 Hours Fire Integrity), 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:	The products can contribute to meeting this Requirement subject to limitations detailed in Conditions section.
AD C	Resistance to Contaminants and Moisture
Note:	The products can contribute to meeting this Requirement subject to limitations detailed in Conditions section.



## The Building Regulations 2010 (as amended) England

None presently



## The Building Regulations 2010 (as amended) Wales

None presently



## 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, 2.4.2 and 2.4.5 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 and 6.2.10 if supplied and installed in accordance with the manufacturer's specifications and instructions.

## Non-Regulatory Information



### LABC Warranty

The use of ARC Curtain Wall Barrier (3 Hours Fire Integrity) 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@labcwarranty.co.uk](mailto:technical.services@labcwarranty.co.uk)

## Supporting Documentation

Chiltern International Fire Certificate number CHILT/IF12020

## Contact Information

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