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Agrément Certificate

21/5978

Product Sheet 1 Issue 2

SIDERISE CAVITY TRAYS

SIDERISE CT

This Agrément Certificate Product Sheet⁽¹⁾ relates to Siderise CT, an aluminium cavity tray with an integral mineral wool insulation, for use in the external walls of masonry or steel frame constructions, with a brickwork outer leaf.

(1) Hereinafter referred to as 'Certificate'.

The assessment includes

Product factors:

- compliance with Building Regulations
- compliance with additional regulatory or non-regulatory information where applicable
- evaluation against technical specifications
- assessment criteria and technical investigations
- uses and design considerations

Process factors:

- compliance with Scheme requirements
- installation, delivery, handling and storage
- production and quality controls
- maintenance and repair

Ongoing contractual Scheme elements†:

- regular assessment of production
- formal 3-yearly review



KEY FACTORS ASSESSED

- Section 1. Mechanical resistance and stability
- Section 2. Safety in case of fire
- Section 3. Hygiene, health and the environment
- Section 4. Safety and accessibility in use
- Section 5. Protection against noise
- Section 6. Energy economy and heat retention
- Section 7. Sustainable use of natural resources
- Section 8. Durability

The BBA has awarded this Certificate to the company named above for the product described herein. This product has been assessed by the BBA as being fit for its intended use provided it is installed, used and maintained as set out in this Certificate.

On behalf of the British Board of Agrément

Date of Second issue: 21 October 2025

Originally certified on 24 January 2022

A handwritten signature in black ink, appearing to read 'Hardy Giesler'.

Hardy Giesler
Chief Executive Officer

This BBA Agrément Certificate is issued under the BBA's Inspection Body accreditation to ISO/IEC 17020. Sections marked with † are not issued under accreditation.

The BBA is a UKAS accredited Inspection Body (No. 4345), Certification Body (No. 0113) and Testing Laboratory (No. 0357).

Readers MUST check that this is the latest issue of this Agrément Certificate by either referring to the BBA website or contacting the BBA directly.

The Certificate should be read in full as it may be misleading to read clauses in isolation.

Any photographs are for illustrative purposes only, do not constitute advice and should not be relied upon.

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SUMMARY OF ASSESSMENT AND COMPLIANCE

This section provides a summary of the assessment conclusions; readers should refer to the later sections of this Certificate for information about the assessments carried out.

Compliance with Regulations

Having assessed the key factors, the opinion of the BBA is that Siderise CT, if installed, used and maintained in accordance with this Certificate, can satisfy or contribute to satisfying the relevant requirements of the following Building Regulations:



The Building Regulations 2010 (England and Wales) (as amended)

Requirement:	A1	Loading
Comment:		The product can contribute to satisfying this Requirement when properly installed. The presence of a damp-proof course (DPC), however, can reduce the shear and tensile strength of a wall at that location. See section 1 of this Certificate.
Requirement:	B4(1)	External fire spread
Comment:		The product is unrestricted under this Requirement. See section 2 of this Certificate.
Requirement:	C2(b)	Resistance to moisture
Comment:		The product can contribute to satisfying this Requirement. See section 3 of this Certificate.
Regulation:	7(1)	Materials and workmanship
Comment:		The product is acceptable. See sections 8 and 9 of this Certificate.
Regulation:	7(2)	Materials and workmanship
Comment:		The product is unrestricted by this Regulation. See section 2 of this Certificate.



The Building (Scotland) Regulations 2004 (as amended)

Regulation:	8(1)	Fitness and durability of materials and workmanship
Comment:		The use of the product can contribute to a construction satisfying this Regulation. See sections 8 and 9 of this Certificate.
Regulation:	8(3)	Fitness and durability of materials and workmanship
Comment:		The product is unrestricted by this Regulation. See section 2 of this Certificate.
Regulation:	9	Building standards – construction
Standard:	1.1(a)(b)	Structure
Comment:		The product can contribute to a construction satisfying this Standard, with reference to clause 1.1.1 ⁽¹⁾⁽²⁾ . The presence of a DPC, however, can reduce the shear and tensile strength of a wall at that location. See section 1 of this Certificate.
Standard:	2.6	Spread on external walls
Comment:		The product is unrestricted under this Standard, with reference to clauses 2.6.5 ⁽¹⁾ and 2.6.6 ⁽²⁾ . See section 2 of this Certificate.
Standard:	3.10	Precipitation
Comment:		The product can contribute to a construction satisfying this Standard, with reference to clauses 3.10.1 ⁽¹⁾⁽²⁾ and 3.10.4 ⁽¹⁾⁽²⁾ . See section 3 of this Certificate.
Standard:	7.1(a)	Statement of sustainability
Comment:		The product can contribute to satisfying the relevant requirements of Regulation 9, Standards 1 to 6, and therefore will contribute to a construction meeting a bronze level of sustainability as defined in this Standard.

Regulation:	12	Building standards – conversion
Comment:		Comments in relation to the product under Regulation 9, Standards 1 to 6, also apply to this Regulation, with reference to clause 0.12.1 ⁽¹⁾⁽²⁾ and Schedule 6 ⁽¹⁾⁽²⁾ .
		(1) Technical Handbook (Domestic). (2) Technical Handbook (Non-Domestic).



The Building Regulations (Northern Ireland) 2012 (as amended)

Regulation:	23(1)(a)(i)	Fitness of materials and workmanship
Comment:	(iii)(b)(i)	The product is acceptable. See sections 8 and 9 of this Certificate.
Regulation:	23(2)	Fitness of materials and workmanship
Comment:		The product is unrestricted by this Regulation. See section 2 of this Certificate.
Regulation:	28(b)	Resistance to moisture
Comment:		The product can contribute to satisfying this Regulation. See section 3 of this Certificate.
Regulation:	30	Stability
Comment:		The product can contribute to satisfying this Regulation. The presence of a DPC, however, can reduce the shear and tensile strength of a wall at that location. See section 1 of this Certificate.
Regulation:	36(a)	External fire spread
Comment:		The product is unrestricted under this Regulation. See section 2 of this Certificate.

Additional Information

NHBC Standards 2025

In the opinion of the BBA, Siderise CT, if installed, used and maintained in accordance with this Certificate, can satisfy or contribute to satisfying the relevant requirements in relation to *NHBC Standards*, Chapters 6.1 *External masonry walls* and 6.10 *Light steel framed walls and floors*.

The opinion of the BBA does not amount to any endorsement or approval by NHBC and does not in any way guarantee that NHBC will approve such product /system as compliant with the NHBC Technical Requirements and Standards.

Fulfilment of Requirements

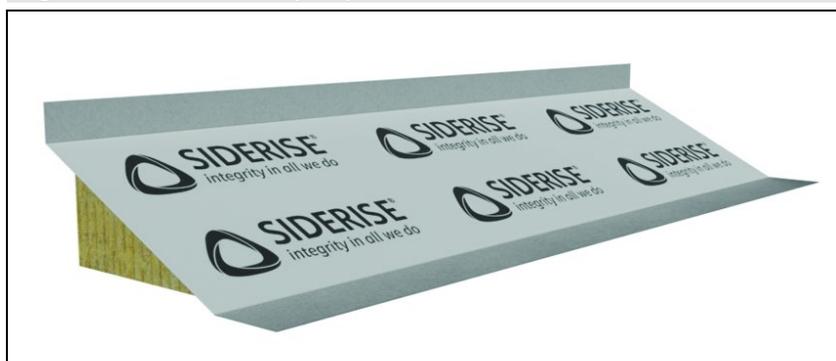
The BBA has judged Siderise CT to be satisfactory for use as described in this Certificate. The product has been assessed as an aluminium cavity tray with an integral mineral wool insulation, for use in the external walls of masonry or steel frame constructions, with a brickwork outer leaf.

ASSESSMENT

Product description and intended use

The Certificate holder provided the following description for the product under assessment. Siderise CT cavity tray is formed from 0.08 mm thick aluminium foil wrapped around a mineral wool insulation with an integrated damp-proof membrane (DPM) bonded to the horizontal mortar flap. The tray has two integrated strips of double-sided tape on the left edge and top flap for installation and sealing to adjacent trays, and is available in lengths of 1000 mm. See Figure 1.

Figure 1 Siderise CT cavity tray



Ancillary Items

The following ancillary items are essential to use with the product and have been assessed with the product:

- Siderise Stop Ends – flexible membranes bonded to the open end of the cavity tray by Siderise CT Jointing Tape, and Siderise DPM Seal Tape
- Siderise CT Jointing Tape – a 120 mm single-sided aluminium jointing tape for sealing two mitre cut corner sections
- Siderise DPM Tape – a 120 mm single-sided DPM type tape for oversealing CT Jointing Tape within the mortar bed.

The Certificate holder recommends weeps, for channelling water from the tray to the outside of the brickwork. This material has not been assessed by the BBA and is outside the scope of this Certificate.

Product assessment – key factors

The product was assessed for the following key factors, and the outcome of the assessments is shown below. Conclusions relating to the Building Regulations apply to the whole of the UK unless otherwise stated.

1 Mechanical resistance and stability

1.1 Properties in relation to loading

1.1.1 Test data relating to loading are given in Table 1.

Table 1 Product loading⁽¹⁾

Product assessed	Assessment method	Requirement	Result
Siderise CT	Characteristic shear strength to BS EN 1052-4 : 2000	Value achieved	0.16 N·mm ⁻²
	Characteristic internal angle of friction to DD86-1 : 1983	Value achieved	17.46°

(1) The walls in these tests used Sunset Red bricks with a tabulated compressive strength of 63 Nmm⁻² and a 1:1:6 mortar with a compressive strength of 3.8 Nmm⁻².

1.1.2 On the basis of data assessed, the product will not adversely affect the ability of a wall to sustain and transmit compressive loads. However, the presence of a DPC can reduce the shear and tensile (and therefore bending) strengths of a wall.

1.1.3 Siderise CT and the associated ancillary items, when specified and installed in accordance with this Certificate and generally with the specifications in PD 6697 : 2019, BS EN 1996-1-2 : 2005, BS EN 1996-2 : 2006, BS EN 1996-3 : 2006 and BS 8215 : 1991, are satisfactory for use in external cavity walls with either an SFS (steel framing system) or a concrete/blockwork inner leaf and a brickwork outer leaf.

2 Safety in case of fire

Data were assessed for the following characteristics.

2.1.1 A reaction to fire classification is given in Table 2.

Table 2 Reaction to fire

Product assessed	Assessment method	Requirement	Result
Siderise CT	Classified in accordance with BS EN 13501-1 : 2018 ⁽¹⁾	Classification achieved	A2-s1, d0 ⁽²⁾

(1) Classification report WF 432839 issue 1 issued by Warringtonfire; copies available from the Certificate holder on request.

(2) The classification is applicable to construction applications used over any substrate with a density equal to or greater than 525 kg·m⁻³, a minimum thickness of 12 mm and a fire performance of A2-s1, d0 or better.

2.1.2 This performance may not be achieved when used in combination with other substrates. The classification, and permissible areas of application of the product under such circumstances, must be determined in accordance with the documents supporting the national Building Regulations.

3 Hygiene, health and the environment

Data were assessed for the following characteristic.

3.1 Properties in relation to water

3.1.1 Results of properties in relation to water tests are given in Table 3.

Table 3 Properties in relation to water

Product assessed	Assessment method	Requirement	Result
Siderise CT	Effectiveness of water discharge to a BBA method	No water leaks after one hour	Pass
Siderise CT	Shear resistance of joints to BS EN 12317-2 : 2010	Value achieved	320 N·50 mm ⁻¹ ⁽¹⁾ 110 N·50 mm ⁻¹ ⁽²⁾ 141 N·50 mm ⁻¹ ⁽³⁾ 162 N·50 mm ⁻¹ ⁽⁴⁾

(1) Overlap between Siderise CT using the integral double-sided tape.

(2) Overlap between Siderise foil and associated DPM, sealed using the Siderise DPM Tape.

(3) Overlap between two pieces of the DPM, sealed using Siderise DPM Tape.

(4) Overlap between two pieces of the DPM, sealed using the integral double-sided tape

3.1.2 On the basis of data assessed, the product and associated ancillary items, when sealed together, provide a continuous barrier against liquid water. Water is typically ejected through weepholes or evaporated from the outer skin.

4 Safety and accessibility in use

Not applicable.

5 Protection against noise

Not applicable.

6 Energy economy and heat retention

Not applicable.

7 Sustainable use of natural resources

The product includes aluminium and mineral wool insulation, which can be recycled.

8 Durability

8.1 The potential mechanisms for degradation and the known performance characteristics of the materials in the product were assessed.

8.2 Specific test data were assessed as given in Table 4.

<i>Table 4 Durability</i>			
Product assessed	Assessment method	Requirement	Result
Siderise CT	Shear strength of joints to BS EN 12317-2 : 2010	No significant degradation	
	Heat aged for 56 days at 60°C		Pass
	Water soak for 56 days at 60°C		Pass

8.3 Service life

Under normal service conditions, the product will have a life equivalent to the structure in which it is incorporated, provided it is designed, installed and maintained in accordance with this Certificate and the Certificate holder's instructions.

PROCESS ASSESSMENT

Information provided by the Certificate holder was assessed for the following factors:

9 Design, installation, workmanship and maintenance

9.1 Design

9.1.1 The product must be installed in accordance with this Certificate, the Certificate holder's instructions and PD 6697 : 2019, BS EN 1996-1-1 : 2005, BS EN 1996-2 : 2006, BS EN 1996-3 : 2006 and BS 8215 : 1991.

9.1.2 The product may be installed at a minimum temperature of 5°C in any weather that permits bricklaying. All relevant surfaces must be clean and dry prior to installation.

9.1.3 The external leaf of the cavity walls must be built from standard brickwork with a minimum thickness of 102.5 mm.

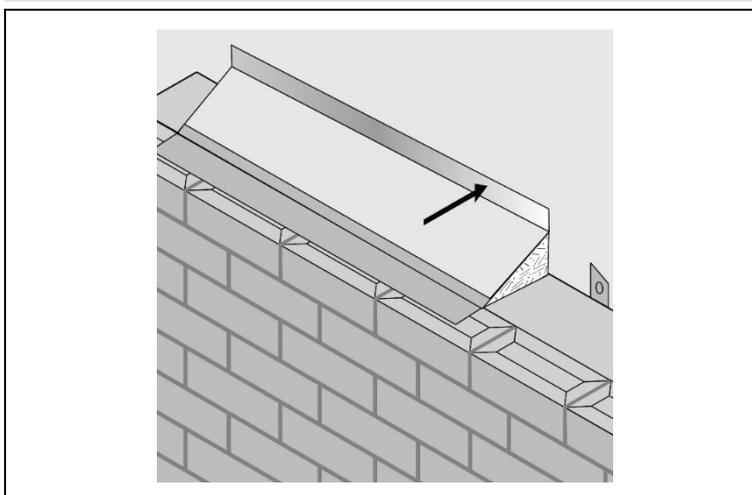
9.2 Installation

9.2.1 Installation instructions provided by the Certificate holder were assessed and judged to be appropriate and adequate.

9.2.2 Installation must be carried out in accordance with this Certificate and the Certificate holder's instructions.

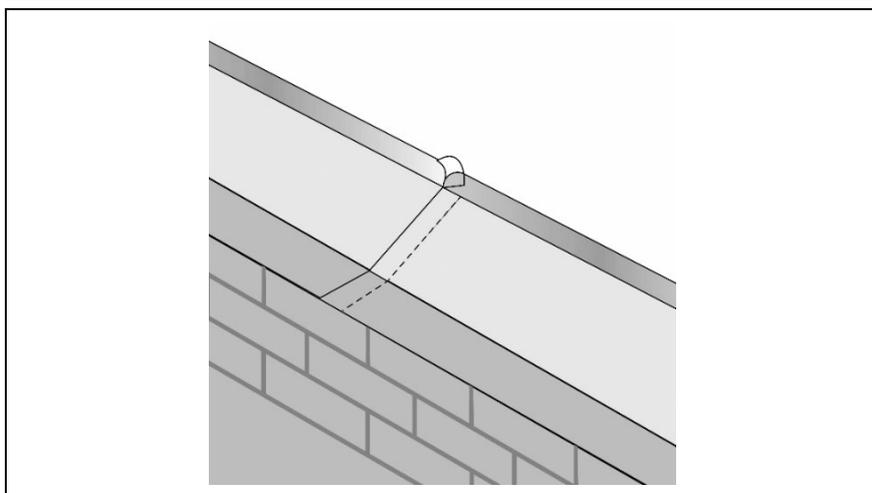
9.2.3 The product is placed on the exposed brickwork, and against the inner skin in 1000 mm sections to form straight sections of the install (see Figure 2). Adjacent trays are butted up against each other.

Figure 2 Tray is placed in position



9.2.4 The release paper is removed from the top flap, which contains self-adhesive, and firmly pressed onto the inner skin to form a bond. The release paper is similarly removed from the side flap and firmly pressed onto the adjacent straight section (see Figure 3).

Figure 3 Trays are jointed together with adhesive flap



9.2.5 For internal or external corner sections, two straight sections are mitre cut to the correct internal or external angle, and placed on the exposed brickwork, and against the inner skin of the corner wall feature and bonded to the inner skin as per section 9.2.3. The joint between the two mitred edges (see Figure 4) is then over sealed using Siderise CT Jointing Tape from the inner skin (see Figure 5) to the edge of the integrated DPC element of the product. Siderise CT Jointing Tape on the integrated DPC is then over sealed with Siderise DPM Tape (see Figure 6).

Figure 4 Trays are mitre cut for jointed corners

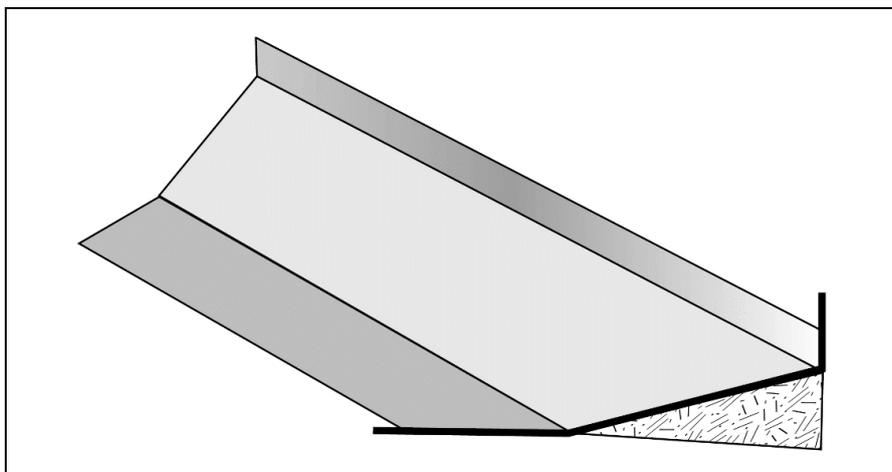


Figure 5 CT Jointing Tape applied to seal mitred joints

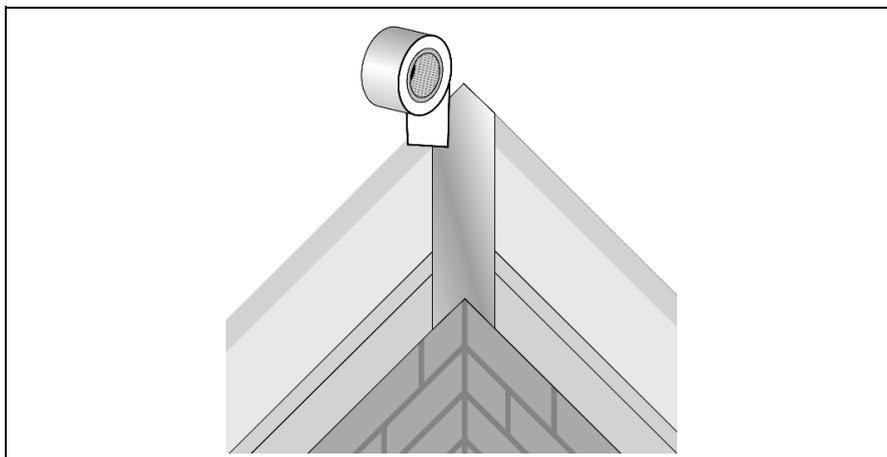
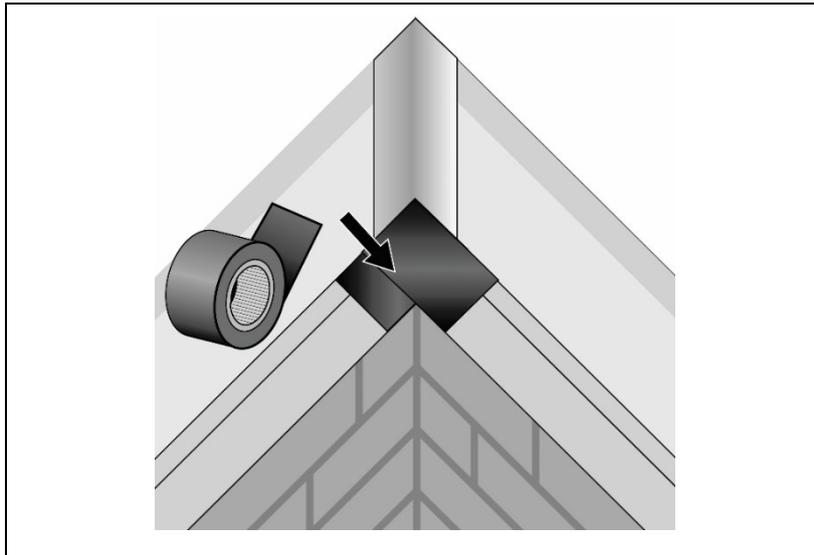
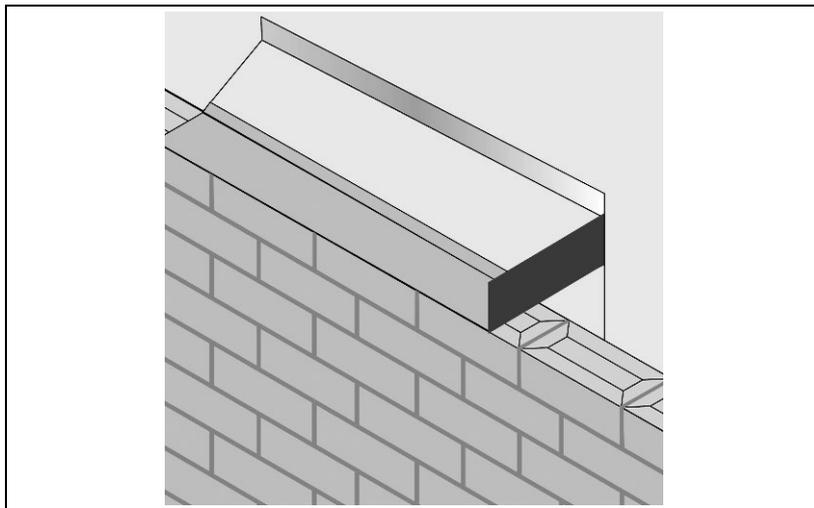


Figure 6 Siderise DPM Tape applied over CT Jointing Tape at lower flap



9.2.6 At wall terminations, Siderise Stop Ends are used at the open end of the cavity tray with Siderise CT Jointing Tape, and Siderise DPM Seal Tape (see Figure 7).

Figure 7 Siderise Stop Ends



9.2.7 A bed of mortar is applied to the outer skin of the wall, under the integrated DPC of the product, and the upper face of the integrated DPC is cleaned to remove sharp objects to prevent damage to it.

9.2.8 Steps 9.2.3 to 9.2.7 are repeated until the installation of the trays is completed.

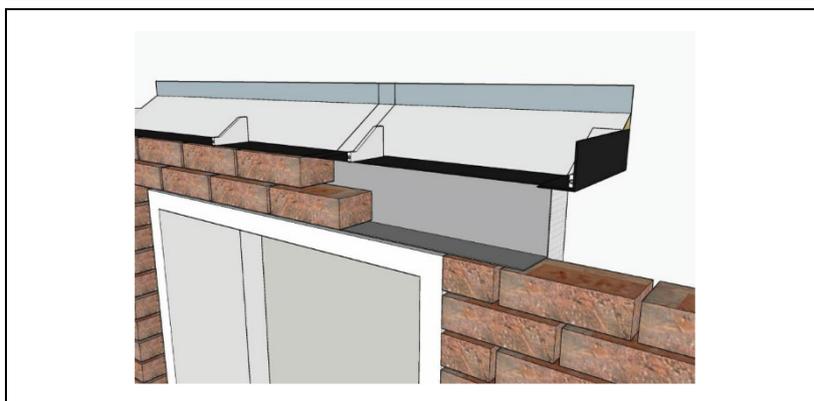
9.2.9 A fresh bed of mortar is then applied to the trays and a course of masonry units is bedded onto it. Non-combustible weeps are installed at a maximum spacing of 675 mm centres, unless the trays are used with lintels, in which case they are installed at maximum spacing of 450 mm (with the proviso of a minimum number of two per lintel), but such advice is outside the scope of this Certificate.

9.2.10 Mortar lumps must be prevented from falling onto the tray during construction. A hessian mesh must be laid over the trays while bricks are laid, which is then pulled out through a single omitted brick once the row above is finished. The lower trays must be regularly inspected throughout installation as the row above is completed, to ensure that all such lumps have been removed.

9.2.11 The product is compatible with both 'C' and 'L' type lintels (see Figure 8) from 0.9 m to 4.9 m width. A minimum lintel projection beyond the vertical DPC of 25 mm must be observed and stop ends must be placed to coincide with perpend joints. Further guidance can be found in the NHBC Standards, Chapter 6.1 (6.1.17) and Technical Guidance Note 6.1/29 *Forming stop ends to cavity trays*.

9.2.12 For installation with 'L' type lintels where the tray is installed 1 to 2 courses of brickwork above the lintel, additional weeps must be placed on the lintel lower edge at maximum spacing of 450 mm (with the proviso of a minimum number of two per lintel).

Figure 8 Typical installation above 'L' type lintel



9.3 Workmanship

Practicability of installation was assessed by the BBA on the basis of the Certificate holder's information and a site visit to witness an installation in progress. To achieve the performance described in this Certificate, installation of the product must be carried out by a competent general builder or bricklayer familiar with this type of product.

9.4 Maintenance and repair

9.4.1 As the product is confined within the wall and wall cavity, and has suitable durability, maintenance is not required. However, any damage occurring before enclosure must be repaired.

9.4.2 Small areas of damaged cavity trays must be repaired with a strip of Siderise CT Jointing Tape prior to the installation of brick, block or masonry courses above the tray. Any trays with punctures in excess of 40 mm must be replaced with a new tray.

10 **Manufacture**

10.1 The production processes for the product have been assessed, and provide assurance that the quality controls are satisfactory according to the following factors:

10.1.1 The manufacturer has provided documented information on the materials, processes, testing and control factors.

10.1.2 The quality control operated over batches of incoming materials has been assessed and deemed appropriate and adequate.

10.1.3 The quality control procedures and product testing to be undertaken have been assessed and deemed appropriate and adequate.

10.1.4 The process for management of non-conformities has been assessed and deemed appropriate and adequate.

10.1.5 An audit of each production location was undertaken, and it was confirmed that the production process was in accordance with the documented process, and that equipment has been properly tested and calibrated.

† 10.2 The BBA has undertaken to review the above measures on a regular basis through a surveillance process, to verify that the specifications and quality control operated by the manufacturer are being maintained.

11 **Delivery and site handling**

11.1 The Certificate holder stated that the product is delivered to site in cardboard boxes and shrink-wrapped on pallets. Address labels and delivery notes are attached along with customer drawings, ancillary items and installation instructions.

11.2 Delivery and site handing must be performed in accordance with the Certificate holder's instructions and this Certificate, including:

11.2.1 To prevent damage or surface contamination, the pallets must be unloaded by forklift truck and the products must be stored in a secure place in the original packaging until required for use.

Supporting information in this Annex is relevant to the product but has not formed part of the material assessed for the Certificate.

Construction (Design and Management) Regulations 2015

Construction (Design and Management) Regulations (Northern Ireland) 2016

Information in this Certificate may assist the client, designer (including Principal Designer) and contractor (including Principal Contractor) to address their obligations under these Regulations.

Management Systems Certification for production

The management system of the manufacturer has been assessed and registered as meeting the requirements of BS EN ISO 9001 : 2015 by BM Trada (Certificate 11377).

Bibliography

- BS 8215 : 1991 *Code of practice for design and installation of damp-proof courses in masonry construction*
- BS EN 1052-4 : 2000 *Methods of test for masonry — Determination of shear strength including damp proof course*
- BS EN 1996-1-1 : 2005 + A1 : 2012 *Eurocode 6 — Design of masonry structures — General rules for reinforced and unreinforced masonry structures*
- BS EN 1996-1-2 : 2005 *Eurocode 6 — Design of masonry structures — General rules — Structural fire design*
- BS EN 1996-2 : 2006 *Design of masonry structures — Design considerations, selection of materials and execution of masonry*
- BS EN 1996-3 : 2006 *Eurocode 6 — Design of masonry structures — Simplified circulation methods for unreinforced masonry structures*
- BS EN 12317-2 : 2010 *Flexible sheets for waterproofing — Determination of shear resistance of joints — Plastic and rubber sheets for roof waterproofing*
- BS EN 13501-1 : 2018 *Fire classification of construction products and building elements — Classification using data from reaction to fire tests*
- BS EN ISO 9001 : 2015 *Quality management systems — Requirements*
- DD86-1 : 1983 *Damp-proof courses — Methods of test for flexural bond strength and short term shear strength*
- PD 6697 : 2019 *Recommendations for the design of masonry structures to BS EN 1996-1-1 and BS EN 1996-2*

Conditions

1 This Certificate:

- relates only to the product that is named and described on the front page
- is issued only to the company, firm, organisation or person named on the front page – no other company, firm, organisation or person may hold or claim that this Certificate has been issued to them
- has to be read, considered and used as a whole document – it may be misleading and will be incomplete to be selective
- is copyright of the BBA
- and any matter arising out of or in connection with it or its subject matter (including non-contractual disputes or claims) is governed by and construed in accordance with the law of England and Wales.
- the courts of England and Wales shall have exclusive jurisdiction to settle any matter arising out of or in connection with this Certificate or its subject matter (including non-contractual disputes or claims).

2 Publications, documents, specifications, legislation, regulations, standards and the like referenced in this Certificate are those that were current and/or deemed relevant by the BBA at the date of issue or reissue of this Certificate.

3 This Certificate will be displayed on the BBA website, and the Certificate Holder is entitled to use the Certificate and Certificate logo, provided that the product and its manufacture and/or fabrication, including all related and relevant parts and processes thereof:

- are maintained at or above the levels which have been assessed and found to be satisfactory by the BBA
- continue to be checked as and when deemed appropriate by the BBA under arrangements that it will determine
- are reviewed by the BBA as and when it considers appropriate.

4 The BBA has used due skill, care and diligence in preparing this Certificate, but no warranty is provided.

5 In issuing this Certificate the BBA is not responsible and is excluded from any liability to any company, firm, organisation or person, for any matters arising directly or indirectly from:

- the presence or absence of any patent, intellectual property or similar rights subsisting in the product or any other product
- the right of the Certificate holder to manufacture, supply, install, maintain or market the product
- actual installations of the product, including their nature, design, methods, performance, workmanship and maintenance
- any works and constructions in which the product is installed, including their nature, design, methods, performance, workmanship and maintenance
- any loss or damage, including personal injury, howsoever caused by the product, including its manufacture, supply, installation, use, maintenance and removal
- any claims by the manufacturer relating to UKCA marking and CE marking.

6 Any information relating to the manufacture, supply, installation, use, maintenance and removal of this product which is contained or referred to in this Certificate is the minimum required to be met when the product is manufactured, supplied, installed, used, maintained and removed. It does not purport in any way to restate the requirements of the Health and Safety at Work etc. Act 1974, or of any other statutory, common law or other duty which may exist at the date of issue or reissue of this Certificate; nor is conformity with such information to be taken as satisfying the requirements of the 1974 Act or of any statutory, common law or other duty of care.