

Lynvale Ltd

Unit 6 Lime Grove Estate
Haverhill
Suffolk CB9 7XU

Tel: 01440 766975

e-mail: info@lynvale.co.uk

website: www.lynvale.co.uk



Agrément Certificate

17/5473

Product Sheet 1 Issue 3

LYNVALE SEALING TAPES

EXP 6 EXPANDING FOAM TAPES

This Agrément Certificate Product Sheet⁽¹⁾ relates to EXP 6 Expanding Foam Tapes, a range of polyurethane foam sealing tapes, for use as weathertight seals in structural and expansion joints in walls and around door and window frames above ground level.

(1) Hereinafter referred to as 'Certificate'.

The assessment includes

Product factors:

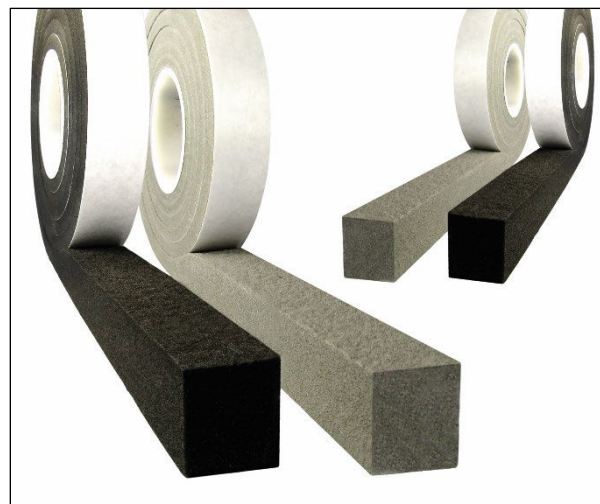
- compliance with Building Regulations
- compliance with additional regulatory or non-regulatory information where applicable
- evaluation against technical specifications
- assessment criteria and technical investigations
- uses and design considerations

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 products described herein. These products have been assessed by the BBA as being fit for their intended use provided they are installed, used and maintained as set out in this Certificate.

On behalf of the British Board of Agrément

Date of Third issue: 21 October 2025

Originally certified on 14 December 2017

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.

British Board of Agrément

1st Floor, Building 3, Hatters Lane
Croxley Park, Watford
Herts WD18 8YG

©2025

tel: 01923 665300
clientservices@bbacerts.co.uk
www.bbacerts.co.uk

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 EXP 6 Expanding Foam Tapes, 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:	C2(b)	Resistance to moisture
Comment:		The products will contribute to satisfying this Requirement. See section 3 of this Certificate.
Requirement:	L1(a)(i)	Conservation of fuel and power
Comment:		The products can contribute to satisfying this Requirement. See section 6 of this Certificate.
Regulation:	7(1)	Materials and workmanship
Comment:		The products are acceptable. See sections 8 and 9 of this Certificate.
Regulation:	25B	Nearly zero-energy requirements for new buildings
Regulation:	26	CO₂ emission rates for new buildings
Regulation:	26A	Fabric energy efficiency rates for new dwellings (applicable to England only)
Regulation:	26A	Primary energy consumption rates for new buildings (applicable to Wales only)
Regulation:	26B	Fabric performance values for new dwellings (applicable to Wales only)
Regulation:	26C	Target primary energy rates for new buildings (applicable to England only)
Regulation:	26C	Minimum energy efficiency rating (applicable to Wales only)
Comment:		The products can contribute to satisfying these Regulations. See section 6 of this Certificate.



The Building (Scotland) Regulations 2004 (as amended)

Regulation:	8(1)(2)	Fitness and durability of materials and workmanship
Comment:		The use of the products can contribute to satisfying the requirements of this Regulation. See sections 8 and 9 of this Certificate.
Regulation:	9	Building standards - construction
Standard:	3.10	Precipitation
Comment:		The products will contribute to satisfying this Standard, with reference to clause 3.10.1 ⁽¹⁾⁽²⁾ . See section 3 of this Certificate.
Standard:	6.1(b)(c)	Energy demand
Standard:	6.2	Building insulation envelope
Comment:		The products can contribute to satisfying these Standards, with reference to clauses 6.1.2 ⁽¹⁾ , 6.1.4 ⁽²⁾ , 6.2.4 ⁽¹⁾ and 6.2.5 ⁽²⁾ of these Standards. See section 6 of this Certificate.
Standard:	7.1(a)	Statement of sustainability
Comment:		The products 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 - conversions
Comment:		All comments given for the products 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 products are acceptable. See sections 8 and 9 of this Certificate.
Regulation:	28(b)	Resistance to moisture and weather
Comment:		The products can contribute satisfying this Regulation. See section 3 of this Certificate.
Regulation:	39(a)(i)	Conservation measures
Regulation:	40(2)	Target carbon dioxide emission rate
Regulation:	43(1)(2)	Renovation of thermal elements
Regulation:	43B	Nearly zero-energy requirements for new buildings
Comment:		The products can contribute to minimising heat loss at lintels, jambs and sills. See section 6 of this Certificate.

Additional Information

NHBC Standards 2025

In the opinion of the BBA, EXP 6 Expanding Foam Tapes, 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*, 6.2 *External timber framed walls*, 6.7 *Doors, windows and glazing*, 6.9 *Curtain walling and cladding* and 6.10 *Light steel frame walls and floors*.

In Scotland and Northern Ireland and other areas of very severe exposure, check reveals should be used, and an appropriate sealant applied between the window frame and the structure.

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 EXP 6 Expanding Foam Tapes to be satisfactory for use as described in this Certificate. The products have been assessed for use as weathertight seals in structural and expansion joints in walls and around door and window frames above ground level.

ASSESSMENT

Product description and intended use

The Certificate holder provided the following description for the products under assessment. EXP 6 Expanding Foam Tapes consists of a range of sealing tapes manufactured from polyurethane foam impregnated with an acrylic-based polymer dispersion. One side of the strip has a self-adhesive film to aid installation. Whilst rolled, the adhesive is protected with a release paper. The products are supplied compressed by approximately 80% and are available in a range of thicknesses (suitable for joint widths ranging from 1 to 42 mm), in black and grey colours. The dimensions of the tapes are given in Table 1 of this Certificate.

Table 1 Standard Tape dimensions⁽¹⁾

Tape reference (suitable for joint widths of / mm)	Available widths (mm) (joint depth)
1-2	8, 10, 15, 20, 25, 30, 40, 50
1-4	10, 15, 20, 25, 30, 40, 50
2-6	10, 15, 20, 25, 30, 40, 50
4-9	10, 15, 20, 25, 30, 40, 50
5-12	12, 15, 20, 25, 30, 40, 50
6-15	15, 20, 25, 30, 40, 50
9-20	20, 25, 30, 40, 50
11-25	20, 25, 30, 40, 50
18-34	30, 35, 40, 50
24-42	30, 40, 50

(1) Non-standard widths also available. Non standards widths are outside the scope of this certificate

Applications

The products are intended for use on the following substrates:

- concrete
- masonry
- metal
- PVC-U
- acrylic
- timber.

Product assessment – key factors

The products were 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

Not applicable.

2 Safety in case of fire

Data were assessed for the following characteristics.

2.1 Reaction to fire

2.1.1 When classified to BS EN 13501-1 : 2018, the products achieved a reaction to fire classification of Class E⁽¹⁾.

2.1.2 On the basis of data assessed, EXP 6 Expanding Foam Tapes will be unrestricted in terms of height and distance from a boundary by the documents supporting the national Building Regulations.

2.1.3 Cavity barriers must be used to satisfy the requirements of the documents supporting the national Building Regulations.

3 Hygiene, health and the environment

Data were assessed for the following characteristics.

3.1 Weathertightness

3.1.1 Results of weathertightness tests are given in Table 2.

<i>Table 2 Weathertightness</i>			
Product assessed	Assessment method	Requirement	Result
EXP 6 Expanding Foam Tapes	Watertightness to DIN EN 1027 : 2000	No detectable water or moisture penetration up to a pressure of 600 Pa	Pass
	Resistance to driving rain to DIN EN 1027 : 2000	No detectable water or moisture penetration	750 Pa
	Water absorption to BS EN 14223 : 2005	Value achieved	112%

3.1.2 On the basis of data assessed, the products will resist the passage of water, wind-driven rain and dust into the interior of a building.

3.1.3 The products satisfy the Class 9A requirements of BS EN 12208 : 2000.

3.2 Condensation

3.2.1 The result of water vapour resistance tests is given in Table 3.

<i>Table 3 Water vapour resistance</i>			
Product assessed	Assessment method	Requirement	Result
EXP 6 Expanding Foam Tapes	Water vapour diffusion resistance (μ) to DIN EN ISO 12572 : 2001	$\mu \leq 100$	Pass

3.2.2 On the basis of data assessed the products will not adversely affect the risk of interstitial condensation, provided they are used in conjunction with a suitable air and vapour control layer AVCL.

4 Safety and accessibility in use

Not applicable.

5 Protection against noise

Not applicable.

6 Energy economy and heat retention

Data were assessed for the following characteristics.

6.1 Airtightness

6.1.1 Results of air permeability tests are given in Table 4.

<i>Table 4 Results of conservation of fuel and power tests</i>			
Product assessed	Assessment method	Requirement	Result
EXP 6 Expanding Foam Tapes	Air permeability of joints to DIN EN 1026 : 2000 - 09	$<1\text{m}^3/[\text{h}\cdot\text{m}\cdot(\text{da}\cdot\text{Pa})^{2/3}]$	Pass

6.1.2 On the basis of data assessed, the products are air barriers and, when installed correctly, can contribute to junctions, minimising heat loss by unplanned air infiltration. The air infiltration classification according to BS EN 12207 : 2016 for suitable windows used in combination with the products will be at least Class 4. Guidance documents in this respect can be found in the documents supporting the national Building Regulations.

7 Sustainable use of natural resources

Not applicable.

8 Durability

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

8.1.1 Specific test data were assessed, as given in Table 5.

Table 5 Results of durability tests

Product assessed	Assessment method	Requirement	Result
EXP 6 Expanding Foam Tapes	Tensile strength to BS EN ISO 1798 : 2000 - Control	Value achieved	0.13 MPa
	Tensile strength to BS EN ISO 1798 : 2000 heat aged 80°C for 56 days	No significant deterioration	Pass
	Elongation to BS EN ISO 1798 : 2000 Control	Value achieved	164 %
	Elongation to BS EN ISO 1798 : 2000 heat aged 80°C for 56 days	No significant deterioration	Pass
	Compression set to BS EN ISO 1856 : 2001 - Control	Value achieved	-2.54 %
	Compression set to BS EN ISO 1856 : 2001 Heat aged at 80°C for 56 days	Value achieved	-2.65%
	Resistance to thermal shock to DIN 18542 : 2009 -30 °C to + 90 °C	Satisfactory recovery	Pass
	Low temperature flexibility to MOAT 27 : 5.4.2 : 1983	-25 °C	Pass
	Compatibility with adjoining building materials at up to 80 °C (concrete, facing brick, calcareous sandstone, pinewood with coating, pinewood without coating, white PVC, stainless steel, steel, galvanized, zinc, anodized aluminium, copper, acrylic glass) to DIN 18542 : 2009	No changes to the contact face or to the direct edge area of the multifunction sealing tape	Pass
	Light resistance and resistance to moisture penetration to DIN EN 4892-2 : 1995	No leakage	Pass

8.2 Service life

Under normal service conditions, the products will have a life in excess of 20 years, provided they are 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 design process was assessed by the BBA, and the following requirements apply in order to satisfy the performance assessed in this Certificate.

9.1.2 To provide a weathertight seal, the tape size must be chosen with a thickness suitable for the operational joint widths, as detailed in Table 1.

9.1.3 The products are not designed to withstand a head of water; in these situations, the advice of the Certificate holder must be sought but such advice is outside the scope of this Certificate.

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 Joints must be clean and free from debris, eg dirt, mortar residue and other contaminants or extrusions that could affect the integrity of the seal. The inner surfaces of the joints to be sealed must be as smooth as possible. To achieve a weathertight seal in masonry, the changes in level at mortar joints must be as small as possible.

9.2.4 The tapes will start to expand gradually, as soon as they are unwound from the roll. The rate of expansion is temperature dependent and will be slower at low temperatures. At low ambient temperatures, the rate of expansion after installation can be accelerated by the gentle application of heat from an indirect heat source.

9.2.5 At high ambient temperatures, the tapes must be stored in a cool environment prior to use to slow down the rate of expansion.

9.2.6 The tapes are suitable for use on the substrates listed in the application's section. The compatibility with other substrates, eg plasticised PVC, must be confirmed by test in consultation with the Certificate holder, but such advice is outside the scope of this Certificate.

9.3 Workmanship

Practicability of installation was assessed by the BBA, on the basis of the Certificate holder's information. To achieve the performance described in this Certificate, installation of the products must be carried out by a competent general builder, or a contractor, experienced with these types of products.

9.4 Maintenance and repair

9.4.1 Ongoing satisfactory performance of the products in use requires that they are suitably maintained. The guidance provided by the Certificate holder was assessed by the BBA and found to be appropriate and adequate.

9.4.2 The following requirements apply in order to satisfy the performance assessed in this Certificate:

9.4.2.1 Installations must be periodically inspected for damage. Damaged sections of tape must be replaced as soon as possible, using the installation techniques described in section 9.2 and in the Annex.

10 Manufacture

10.1 The production processes for the products 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 products are delivered to site as pre-compressed rolls in cartons bearing the product name, dimensions, roll length and number of rolls. The contents of the carton vary according to the size of the tape. A label bearing the batch reference is located on the mandrel.

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

11.2.1 The tapes must be stored horizontally in cool, dry conditions in the original packaging. To avoid distorting the tapes, excessive weight must not be placed on the cartons.

†ANNEX A – SUPPLEMENTARY INFORMATION

Supporting information in this Annex is relevant to the products 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.

CLP Regulations

The Certificate holder has taken the responsibility of classifying and labelling the products under the *GB CLP Regulation* and *CLP Regulation (EC) No 1272/2008 - classification, labelling and packaging of substances and mixtures*. Users must refer to the relevant Safety Data Sheet(s).

UKCA marking

The Certificate holder has taken the responsibility of UKCA marking the products in accordance with UKAD 320001 00 0605 and UKTA-0836-22/0016, issued by the BBA.

CE marking

The Certificate holder has taken the responsibility of CE marking the products in accordance with EAD 320001-00-0605 and ETA-07/0072, issued by Deutsches Institut für Bautechnik (DIBt).

Additional information on installation

A.1 Typical applications are shown in Figure 1. The products can be installed in all conditions likely to occur in practice; however, care must be taken when installing at low temperatures.

Figure 1 Typical applications

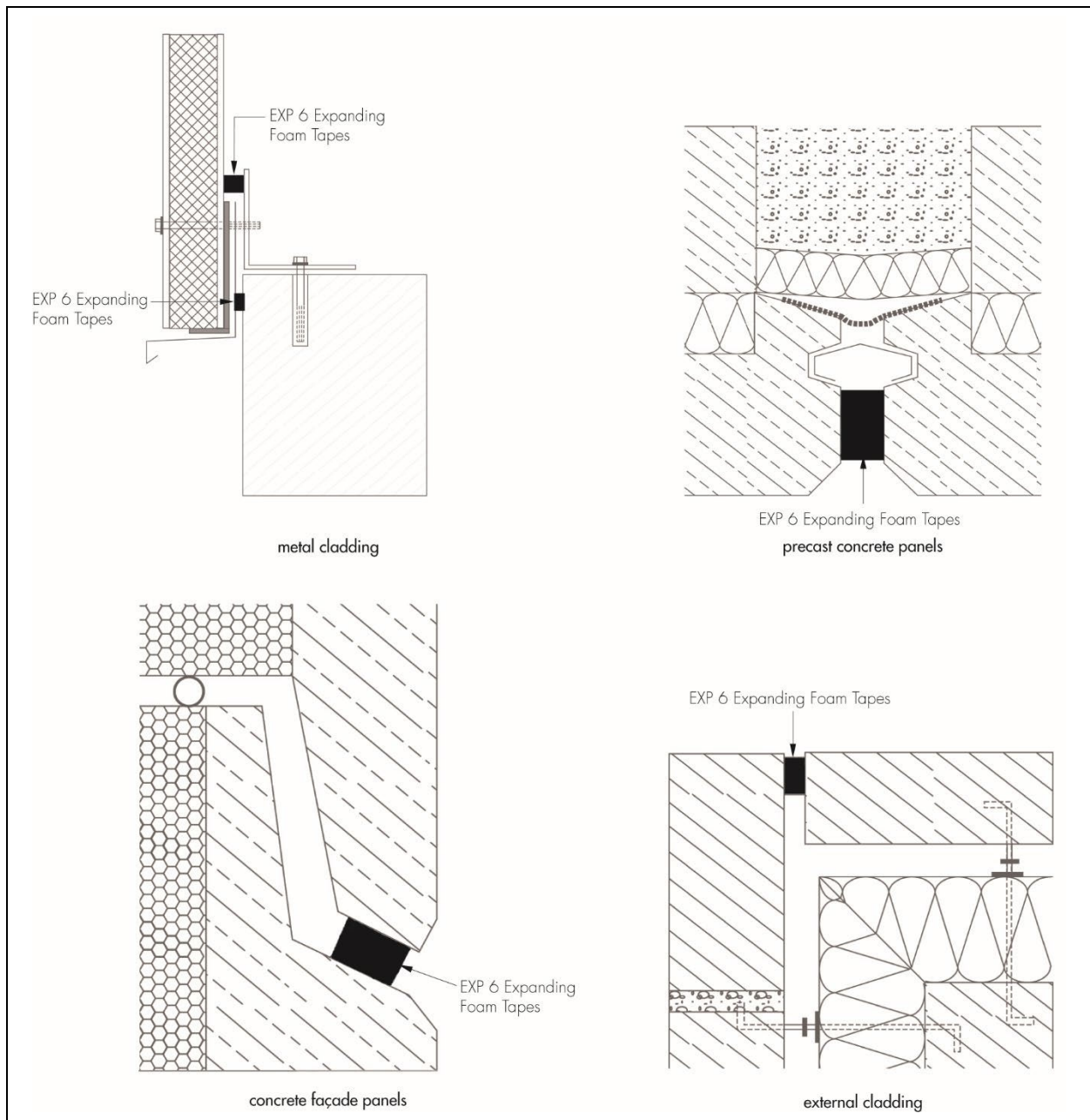
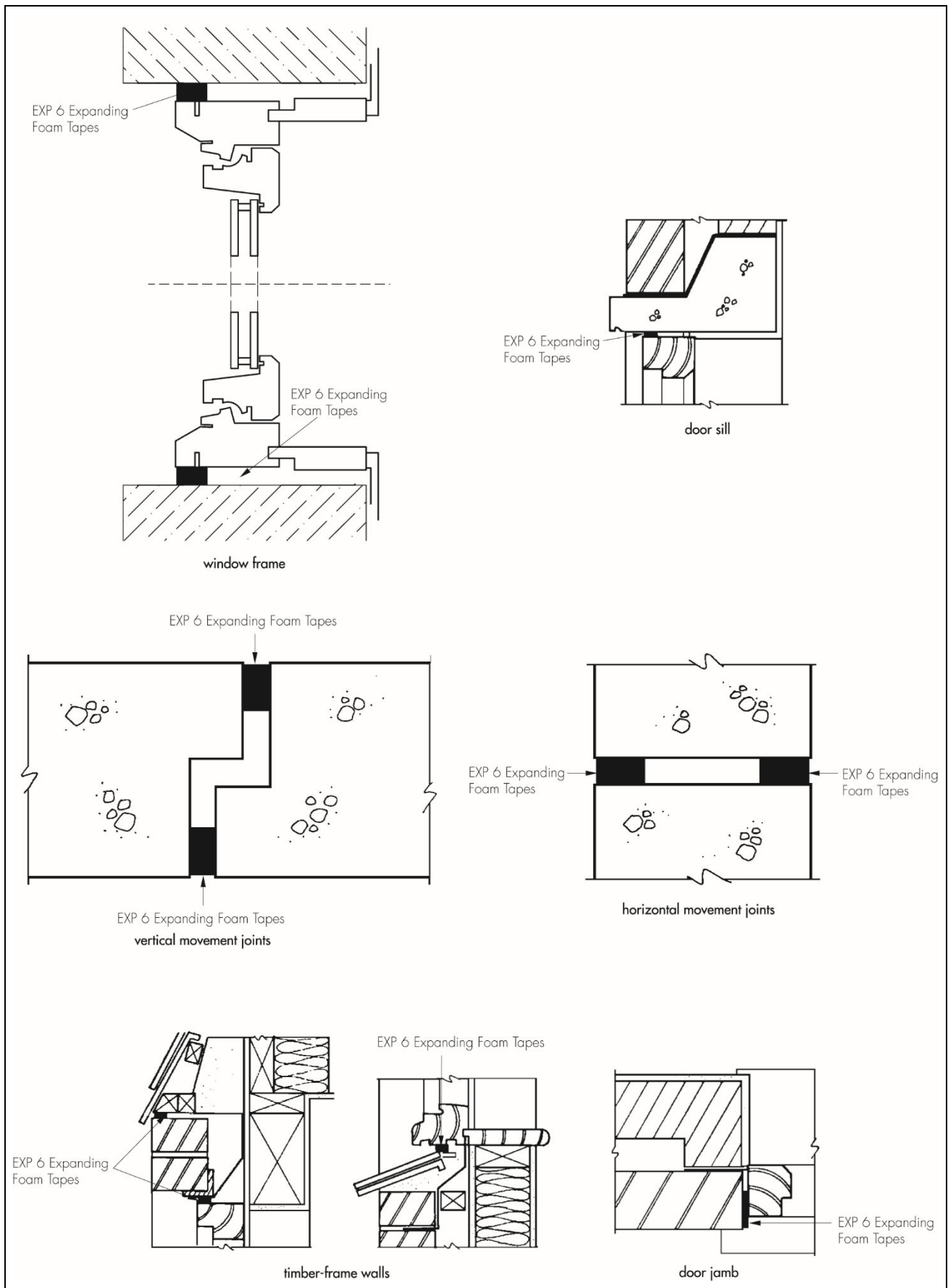


Figure 1 Typical applications (continued)



A.2 The leader strip is removed from the roll and the end of the tape cut straight with a pair of scissors.

A.3 Approximately 10 to 20 cm of the protective release paper is peeled from the self-adhesive side of the tape (see Figure 2).

A.4 The self-adhesive face of the tape is then positioned 1 to 2 mm back from the edge of the joint (see Figure 3), allowing at least a 10 mm overlap at the top of the joint, and pressed against the smoothest face of the joint using a suitable tool, eg a trowel. If necessary, especially in vertical applications where the surfaces are damp, the tape can be held in position until expansion is complete, using a suitable wedge. When starting or finishing at a blind end to the joint, the tape must be oversized in length sufficiently to allow for movement and still form a good tight butt joint between the end of the tape and the substrate.

Figure 2 Peeling back release paper

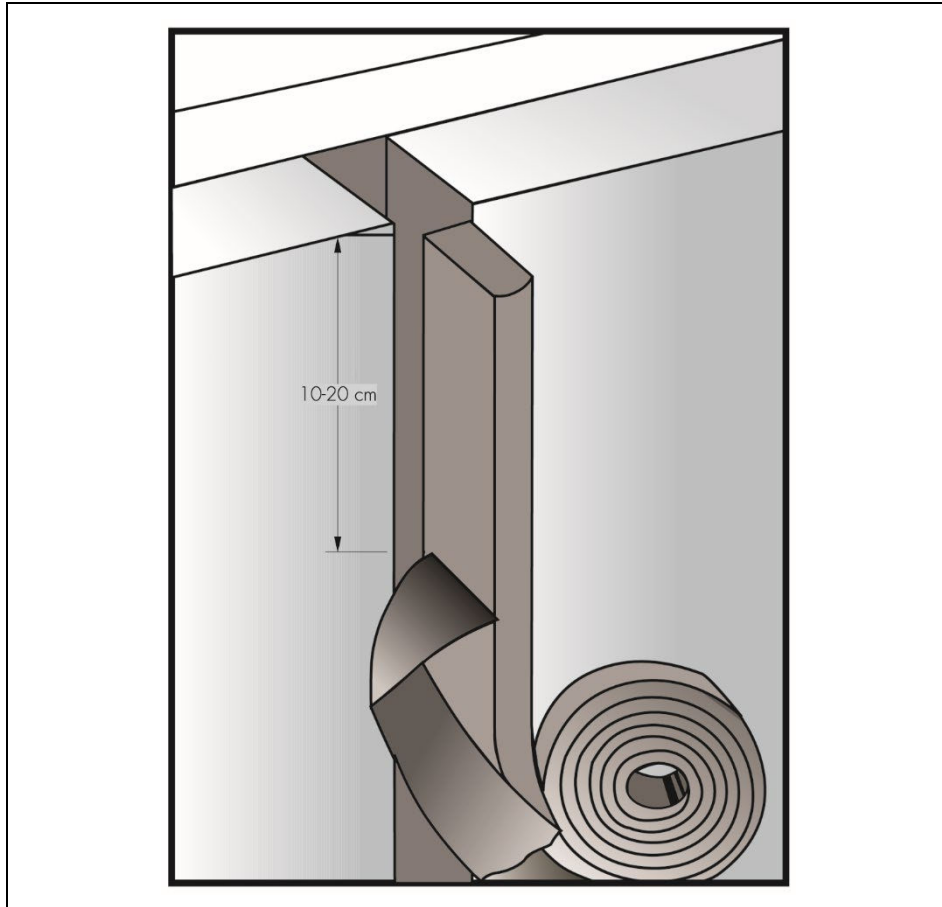
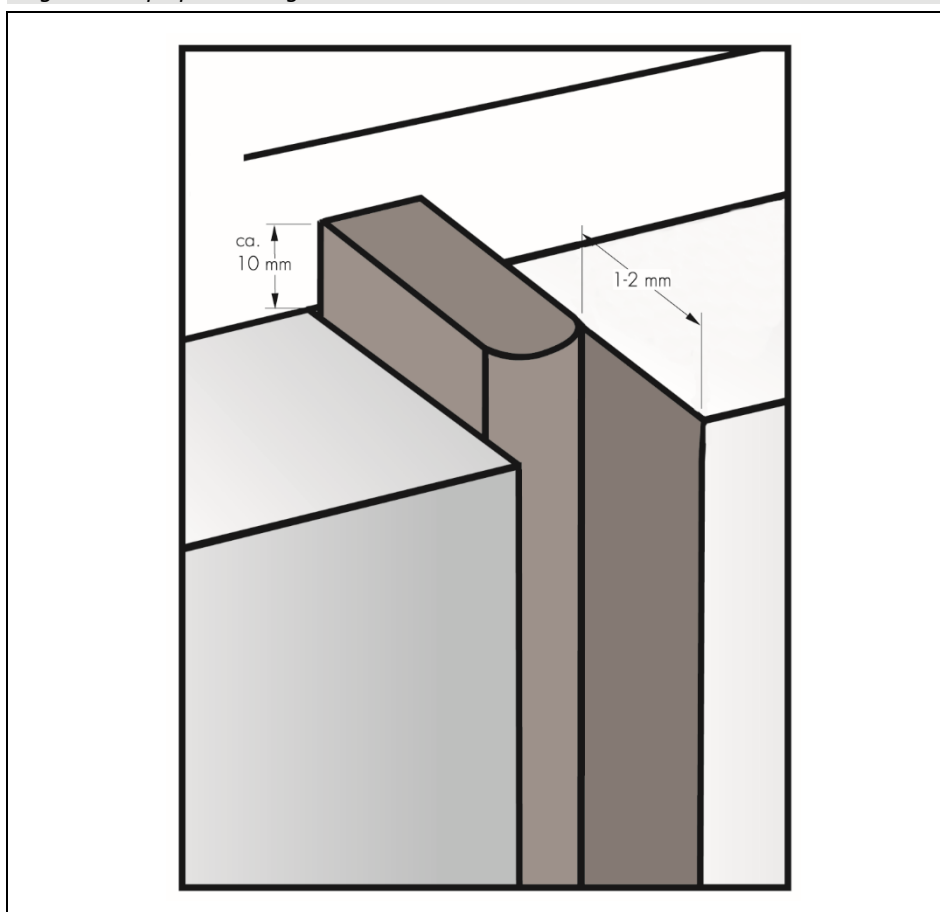


Figure 3 Tape positioning



A.5 The protective release paper is continuously peeled off as the tape is installed, with care taken to minimise stretching of the tape during the process. When cutting the tape to length, approximately 10 mm per metre length should be allowed for recovery following any stretching that may have occurred.

Butt joints

A.6 The tape can be joined by butting two sections together. Both tape ends must be cut straight and butted against each other, allowing an excess of tape to ensure a tight seal is formed. Stretching must be kept to a minimum to ensure the butt joints do not open on recovery of any stretching that may have occurred.

Cross joints

A.7 Where joints cross, the vertically running joint should be sealed first. Horizontal joints should then be sealed by cutting the tape end straight and stubbing it against the vertically applied tape, allowing an excess of tape to ensure a tight seal is formed. Stretching must be kept to a minimum to ensure the butt joints do not open on recovery of any stretching that may have occurred (see Figure 4).

Frames

A.8 When installing the tapes around a window or door frame, each side of the aperture (not the frame) should be measured and the tape cut to the required lengths, allowing 1 cm per metre length for any stretching that may occur during the installation process. It is advised to install the horizontal strip first. At corners and butt joints, tape ends must be cut straight and butted against each other to ensure a tight seal is formed (see Figure 5).

A.9 In certain situations, the tape can be applied in one piece around the frame. The Certificate holder must be consulted on the circumstances and techniques required for the specific application.

Figure 4 Sealing cross-joints

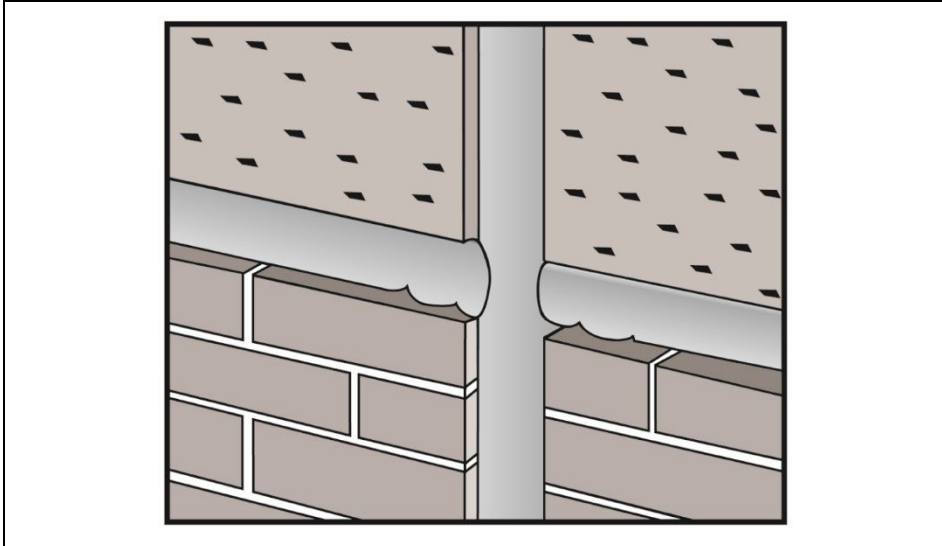
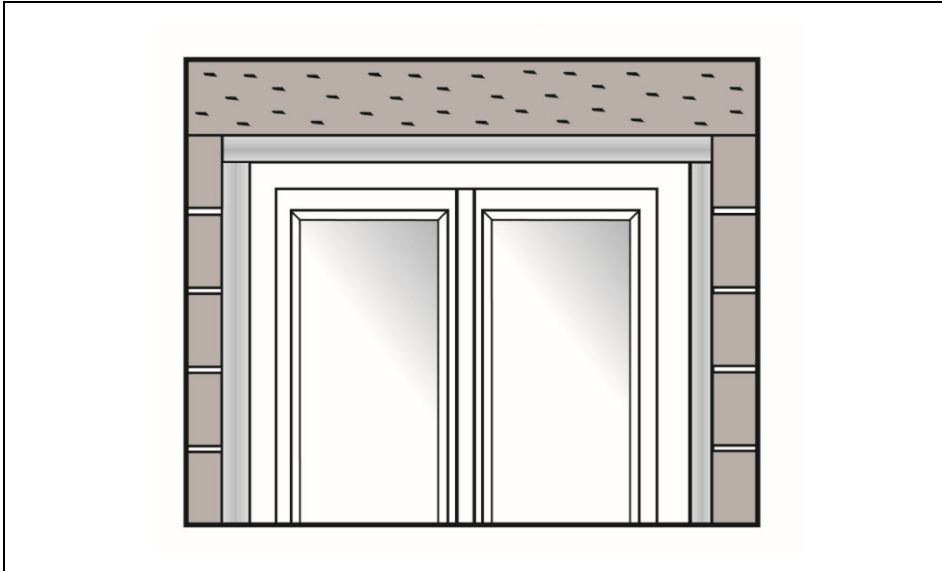


Figure 5 Sealing frames



Bibliography

BS EN 12207 : 2016 *Windows and doors — Air permeability — Classification*

BS EN 12208 : 2000 *Windows and doors — Watertightness — Classification*

BS EN 13501-1 : 2018 *Fire classification of construction products and building elements — Classification using data from reaction to fire tests*

BS EN 14223 : 2005 *Flexible sheets for waterproofing — Waterproofing of concrete bridge decks and other concrete surfaces trafficable by vehicles — Determination of water absorption*

BS EN ISO 1798 : 2000 *Flexible cellular polymeric materials — Determination of tensile strength and elongation at break*

BS EN ISO 1856 : 2001 *Flexible cellular polymeric materials — Determination of compression set*

DIN 18542 : 2009 *Impregnated sealing tapes made of cellular plastics for sealing of outside wall joints — Requirements and testing*

DIN EN 1026 : 2000 - 09 *Windows and doors — Air permeability — Test method*

DIN EN 1027 : 2000 *Windows and doors — Water tightness — Test method*

DIN EN 4892-2 : 1995 *Plastics — Methods of exposure to laboratory light sources — Part 2: Xenon-arc lamps*

DIN EN ISO 12572 : 2001 *Hygrothermal performance of building materials and products — Determination of water vapour transmission properties*

MOAT 27 (5.4.2) : 1983 *General directive for the assessment of roof waterproofing systems*

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.