

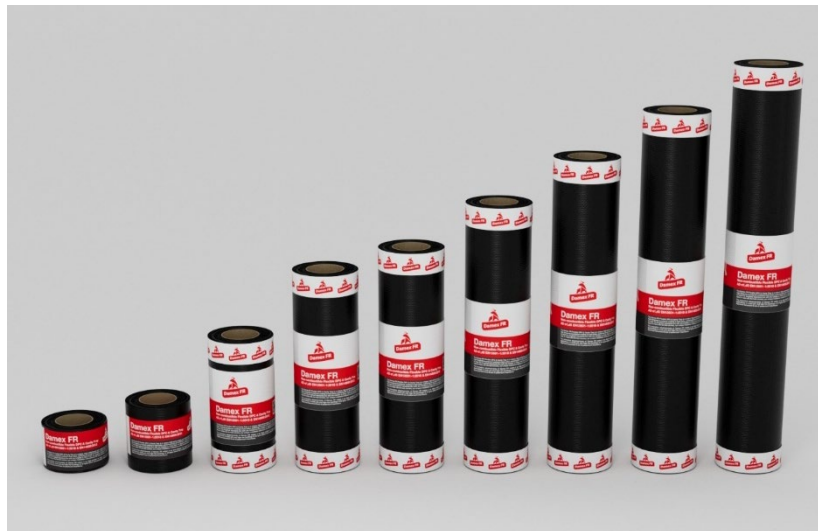
SCOPE OF AGRÉMENT

This BDA Agrément® (hereinafter 'Agrément') relates to Damex FR Non-Combustible Damp-Proof Course and Cavity Tray (hereinafter the 'Product'). The Product is a composite, flexible strip to be used as a Type A damp-proof course (hereinafter 'DPC') and cavity tray. The Product is for installation in external cavity walls with a masonry outer leaf, including walls with a light gauge steel frame (hereinafter 'LGSF') or structural timber frame (hereinafter 'STF') inner leaf. The Product is for use in new residential and non-residential buildings.

DESCRIPTION

The Product is a flexible strip of woven glass fibre, with a polymer coating on both faces and manufactured in accordance with BS EN 14909. Where required, the Product sheets are overlapped by 100 mm and joints are bonded and sealed using Damex FR adhesive. Multiple ancillary items are available to aid and ease installation.

ILLUSTRATION



THIRD-PARTY ACCEPTANCE

See Section 3.3 (Third-Party Acceptance).

STATEMENT

It is the opinion of Kiwa Ltd. that the Product is safe and fit for its intended use, provided it is specified, installed and used in accordance with this Agrément.

Craig Devine
Technical Compliance Manager,
Building Products



Alpheo Mlotha CEng FIMMM MBA
Business Unit Manager,
Building Products



SUMMARY OF AGRÉMENT

This document provides independent information to specifiers, specialists, engineers, building control personnel, contractors, installers and other construction industry professionals who are considering the safety and fitness for purpose of the Product. This Agrément covers the following:

- Conditions of use;
- Production Control, Quality Management System and the Annual Verification Procedure;
- Product components and ancillary items, points of attention for the Specifier and examples of details;
- Installation;
- Independently assessed Product characteristics and other information;
- Compliance with national Building Regulations, other regulatory requirements and Third-Party Acceptance, as appropriate;
- Sources.

MAJOR POINTS OF ASSESSMENT

Moisture control - see Section 2.2.7 - the Product, including lap joints, when used as a:

- DPC provides an effective barrier to the passage of rising damp when subject to hydrostatic pressure up to and including 2 kPa;
- cavity tray provides an effective barrier to the passage of water in the form of precipitation.

Strength - see Section 2.2.8 - the Product has adequate performance in respect of:

- resistance to damage caused by impact and static loading;
- tensile strength;
- resistance to tearing.

Fire performance - see Section 2.2.9 - the Product is classified as European Classification A2-s1, d0, in accordance with BS EN 13501-1.

Durability - see Section 2.2.10 - the Product shall have a service life durability equivalent to that of the building into which it is incorporated.

UKCA, UKNI and CE marking - see Section 2.2.11 - the Agrément holder has responsibility for conformity marking, in accordance with all relevant British and European Product Standards.

CONTENTS

Section 1 - General considerations

- 1.1 - Conditions of use
- 1.2 - Production Control and Quality Management System
- 1.3 - Annual Verification Procedure - continuous surveillance

Section 2 - Technical assessment

- 2.1 - Product components and ancillary items
- 2.2 - Points of attention to the Specifier
- 2.3 - Examples of typical details
- 2.4 - Installation
- 2.5 - Independently assessed Product characteristics

Section 3 - CDM, national Building Regulations and Third-Party Acceptance

- 3.1 - The Construction (Design and Management) Regulations 2015 and The Construction (Design and Management) Regulations (Northern Ireland) 2016
- 3.2 - The national Building Regulations
- 3.3 - Third-Party Acceptance

Section 4 - Sources

Section 5 - Amendment history

Section 6 - Conditions of use

1 GENERAL CONSIDERATIONS

1.1 CONDITIONS OF USE

1.1.1 Limitations

This Agrément has been prepared in accordance with the mandatory requirements defined in the relevant Kiwa Technical Requirement. Some information in this Agrément is provided for guidance or reference purposes only; this information falls outside the scope of the Technical Requirement.

1.1.2 Application

The assessment of the Product relates to its use in accordance with this Agrément and the Agrément holder's requirements.

1.1.3 Assessment

Kiwa Ltd. has assessed the Product in combination with relevant test reports, technical literature, the Agrément holder's quality plan, DoPs and site visit, as appropriate.

1.1.4 Installation supervision

The quality of installation and workmanship shall be controlled by a competent person who shall be an employee of the installation company (hereinafter 'Installer').

The Product shall be installed strictly in accordance with the instructions of the Agrément holder and the requirements of this Agrément.

1.1.5 Geographical scope

The validity of this document is limited to England, Wales, Scotland, Northern Ireland and Ireland, with due regard to Section 3 of this Agrément (CDM, national Building Regulations and Third-Party Acceptance).

1.1.6 Validity

The purpose of this Agrément is to provide well-founded confidence to apply the Product within the scope described. The validity of this Agrément is as published on www.kiwa.co.uk/bda.

1.2 PRODUCTION CONTROL AND QUALITY MANAGEMENT SYSTEM

Kiwa Ltd. has conducted an audit of the Agrément holder and determined that they fulfil all their obligations in relation to this Agrément in respect of the Product.

The initial audit demonstrated that the Agrément holder has a satisfactory Quality Management System (QMS) and is committed to continuously improving their quality plan. Document control and record-keeping procedures were deemed satisfactory. A detailed Production Quality Specification (PQS) has been compiled to ensure traceability and compliance under the terms of this Agrément.

1.3 ANNUAL VERIFICATION PROCEDURE - CONTINUOUS SURVEILLANCE

To demonstrate that the Product conforms with the requirements of the technical specification described in this Agrément, an Annual Verification Procedure has been agreed with the Agrément holder in respect of continuous surveillance and assessment, and auditing of the Agrément holder's QMS.

2 TECHNICAL ASSESSMENT

This Agrément does not constitute a design guide for the Product. It is intended only as an assessment of safety and fitness for purpose.

2.1 PRODUCT COMPONENTS AND ANCILLARY ITEMS

2.1.1 Components included within the scope of this Agrément

The components listed in Table 1 below are integral to the use of the Product.

Table 1 - Integral components

Product	Description	Specifications
Damex FR Non-Combustible DPC and Cavity Tray	a black-coloured, flexible strip of woven glass fibre with a polymer coating on both faces	0.5 mm thick, 25 m long available in widths from 100 mm to 1500 mm weight: 590 g/m ²

The following ancillary component is used in conjunction with the Product:

- Damex FR Adhesive - polymer-based adhesive for sealing the joints (i.e. lap joints, and joints between the Product and the outer surface of the inner leaf).

2.1.2 Ancillary items falling outside the scope of this Agrément

The following ancillary items detailed in this Section may be used in conjunction with the Product, but fall outside the scope of this Agrément:

- supporting wall;
- stainless steel fixing strip (minimum of 0.4 mm thick);
- joint supports;
- preformed corner units (flexible);
- preformed stainless steel units;
- weepholes;
- suitable mechanical fixings;
- sheathing board;
- non-combustible insulation;
- structural framing system.

2.2 POINTS OF ATTENTION TO THE SPECIFIER

2.2.1 Design

2.2.1.1 Design responsibility

A Specifier may undertake a project-specific design, in which case it is recommended that the Specifier co-operates closely with the Agrément holder. The Specifier or Installer is responsible for the final as-built design.

2.2.1.2 Basis of design

The characteristics detailed in the section titled 'Major Points of Assessment' shall be considered during the use of the Product.

2.2.1.3 General design considerations

The Product:

- can act as a Type A DPC, in accordance with BS EN 14909;
- is not a barrier to water vapour and will not have an adverse effect on interstitial condensation; a vapour barrier is required on the inner leaf of a wall to adequately limit water vapour transmission.

Installation of the Product shall be in accordance with the principles and guidance detailed in PD 6697 and BS 8215.

Masonry supporting walls shall be designed in accordance with BS EN 1996-1-1 / I.S. EN 1996-1-1, BS EN 1996-2 / I.S. EN 1996-2 and PD 6697.

LGSF supporting walls shall be designed in accordance with BS EN 1993-1-1 / I.S. EN 1993-1-1 and BS EN 1993-1-3 / I.S. EN 1993-1-3; the steel structure shall be not less than 1.2 mm thick with a minimum of 50 mm flanges.

STF supporting walls shall be designed in accordance with BS EN 1995-1-1 / I.S. EN 1995-1-1, BS EN 14081-1 and PD 6693-1; the timber structure shall not be less than 37 mm thick with a minimum width of 72 mm.

The Product shall be installed with 100 mm minimum lapped joints in accordance with PD 6697.

2.2.1.4 Project-specific design considerations

The project-specific design shall:

- be determined by the Specifier;
- take into account the requirements of the relevant national Building Regulations - see Section 3.2;
- take into account the service life durability required - see Section 2.2.10.

No pre-installation survey is required.

2.2.2 Applied building physics (heat, air, moisture)

A Specialist shall check the hygrothermal behaviour of a project-specific design incorporating the Product and, if necessary, offer advice on improvements to achieve the final specification. The Specialist can be either a qualified employee of the Agrément holder or a suitably qualified consultant (in which case it is recommended that the Specialist co-operates closely with the Agrément holder).

2.2.3 Permitted applications

Only applications designed according to the specifications given in this Agrément are permitted. In each case, the Specifier and Installer shall co-operate closely with the Agrément holder.

2.2.4 Installer competence level

The Product shall be installed strictly in accordance with the instructions of the Agrément holder and the requirements of this Agrément.

Installation can be undertaken by competent persons experienced in this type of work.

2.2.5 Delivery, storage and site handling

The Product is delivered in suitable packaging bearing relevant identification information (such as the Product name, production identification date or batch number, the Agrément holder's name, etc.) and, where applicable, the BDA Agrément® logo incorporating the number of this Agrément.

Prior to installation, the Product shall be stored in accordance with the Agrément holder's requirements, kept dry with boxes or pallets protected from weather by plastic sheeting or similar. Good housekeeping protocols shall be followed to avoid damage.

2.2.6 Maintenance and repair

Once installed, the Product:

- is not susceptible to damage from environmental conditions normally encountered in the UK and Ireland;
- does not require regular maintenance. For advice in respect of repair, consult the Agrément holder.

Performance factors in relation to the Major Points of Assessment

2.2.7 Moisture control

When used as a:

- DPC, the Product, including lap joints, has adequate watertightness under positive hydrostatic pressure to provide a barrier to the passage of rising damp from the ground into the internal environment, in accordance with BS EN 1928;
- cavity tray, the Product, including lap joints, acts as a barrier to the passage of water in the form of precipitation. Any water collecting in the cavity owing to rainwater or condensation shall be discharged through weepholes or evaporate from the outer skin.

2.2.8 Strength

The Product has adequate:

- resistance to:
 - impact, in accordance with BS EN 12691;
 - static loading, in accordance with BS EN 12730;
 - tearing (nail shank), in accordance with BS EN 12310-1;
 - shear of joints, in accordance with BS EN 12317-2;
- tensile stress and elongation properties, in accordance with BS EN 12311-2.

The Product is unlikely to be impaired by normally occurring movements of the wall, up to the point where the wall itself is deemed to have failed.

The Product remains flexible at low temperatures, in accordance with BS EN 495-5.

A masonry wall incorporating the Product has adequate characteristic:

- shear strength in accordance with BS EN 1052-4;
- flexural strength in accordance with DD 86-1.

2.2.9 Fire performance

The Product is classified as European Classification A2-s1, d0, in accordance with BS EN 13501-1.

For detailed conditions of use regarding requirements for supporting wall fire performance, cavity closers and barriers, fire stopping of service penetrations and combustibility limitations for other materials (including thermal insulation and cladding) used in the overall wall construction, Specifiers shall refer to the relevant national Building Regulations.

2.2.10 Durability

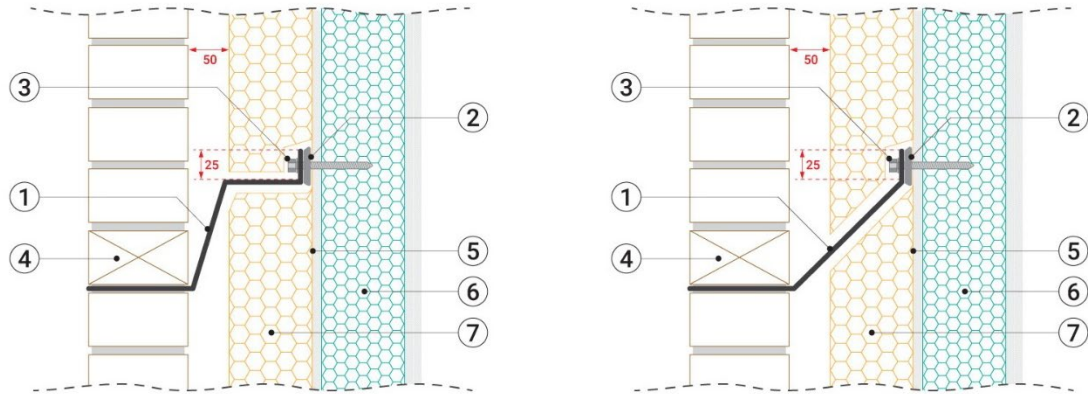
The Product shall have a service life durability equivalent to that of the building into which it is incorporated. The expected lifespan of the building itself shall be at least 60 years.

Once installed, the Product is not susceptible to damage from environmental conditions normally encountered in the UK and Ireland.

2.2.11 UKCA, UKNI and CE marking

The British and European standard for the Product is BS EN 14909.

Diagram 1 - Cross-sections of typical installation details (with adhesive and mechanical fixings)

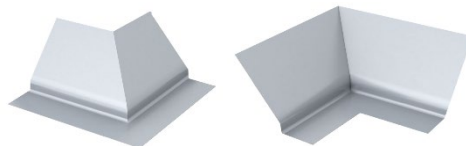


1. Product
2. Damex FR Adhesive
3. suitable mechanical fixings
4. weepholes
5. sheathing board
6. structural framing system
7. non-combustible insulation

Diagram 2 - Typical installation of the Product with lap joint (with adhesive and mechanical fixings)



Diagram 3 - Typical preformed cavity tray corner units



The Product shall be installed strictly in accordance with the instructions (hereinafter 'Installation Manual') of the Agrément holder, the requirements of this Agrément and the requirements of BS 8000-0.

2.4.1 Project-specific installation considerations

No pre-installation survey is required.

2.4.2 Preparation

The following considerations apply before starting the work:

- masonry supporting walls shall be constructed in accordance with the relevant Standards and national Building Regulation - see Section 2.2.1;
- location of openings etc. which may have a bearing on installation of the Product;
- all relevant surfaces shall be clean and dry prior to installing the Product;
- consider the use of preformed corner units to simplify junctions and corners;
- do not apply the Product or ancillary items if the ambient temperature is below 5 °C.

No specific works need to be undertaken before the installation of the Product.

2.4.3 Outline installation procedure

Detailed installation procedures can be found in the Agrément holder's Installation Manual.

The outline procedure is as follows:

- construct the outer masonry leaf up to the DPC level (150 mm minimum height from ground level);
- if using preformed corner units, place them into the desired locations;
- place the preformed joint supports in the required locations;
- apply an 8 to 10 mm bead of Damex FR adhesive on the substrate (a minimum of 5 mm below the top edge of where the Product is to be placed);
- place the Product onto the substrate and press into the adhesive once in the correct position; use a seam roller to consolidate the bond;
- if using a stainless steel fixing strip, install it horizontally to the inner leaf of the wall and through the top edge of the Product, using appropriate mechanical fixings at a maximum of 600 mm centres;
- alternatively, fix the Product to the substrate using appropriate mechanical fixings at a maximum of 600 mm centres, holding it tightly in place;
- lap joints shall be 100 mm wide and have preformed joint supports placed directly underneath the area that is being lapped; joints shall be sealed with three 8 to 10 mm beads of Damex FR adhesive and finished with a seam roller to compress the adhesive and consolidate the bond;
- where required, create a stop end by turning the end of the Product upwards;
- apply an even bed of fresh mortar on the outer masonry leaf and completely fill any perforations in adjacent courses of masonry;
- install the Product onto the mortar, extending the Product through the full thickness of the masonry wall (including pointing, applied rendering or other facing materials);
- after positioning the Product, lay a fresh bed of mortar over the Product and at least one course of masonry as soon as possible;
- install weep vents or weep holes as appropriate; weep holes shall be installed at 900 mm centres on a cavity tray run or at 450 mm centres over windows and doors.

2.4.4 Finishing

No finishing is required on completion of the installation.

2.5 INDEPENDENTLY ASSESSED PRODUCT CHARACTERISTICS

2.5.1 Moisture control

Test		Standard	Result
Watertightness at 2 kPa	Plain membrane	BS EN 1928 Method A	Pass, watertight
	Jointed membrane [^]		
	After heat aging of plain membrane to BS EN 1296		
	After chemical aging of plain membrane to BS EN 1847 (alkali)		
Water vapour transmission	Water vapour resistance factor μ	BS EN 1931 Method B	1.312
	Water vapour diffusion equivalent air layer thickness S_d		0.000656 m

[^] using Damex FR Adhesive

2.5.2 Strength

Test			Standard	Result
Tensile strength and elongation	Tensile stress (mean)	Machine direction	BS EN 12311-2 Method B	3.667 N/50mm
		Cross direction		2.215 N/50mm
	Elongation at break	Machine direction		3 %
		Cross direction		4 %
Resistance to tearing (nail shank)			BS EN 12310-1	255 N
Shear strength of joints^ (mean)			BS EN 12317-2	4015 N/50 mm
Characteristic initial shear strength of masonry wall incorporating the Product			BS EN 1052-4	0.12 N/mm ²
Characteristic flexural strength of masonry wall incorporating the Product			DD 86-1	0.17 N/mm ²
Impact resistance			BS EN 12691 Method B	No damage at 2 m drop height
Static load resistance			BS EN 12730	≤ 20 kg
Foldability at low temperature			BS EN 495-5	No visible cracks or fractures at -75 °C

[^] using Damex FR Adhesive

2.5.3 Fire performance

Test	Standard	Result
Reaction to fire	BS EN 13501-1	A2-s1, d0

3.1 THE CONSTRUCTION (DESIGN AND MANAGEMENT) REGULATIONS 2015 AND THE CONSTRUCTION (DESIGN AND MANAGEMENT) REGULATIONS (NORTHERN IRELAND) 2016

Information in this Agrément may assist the client, principal designer/CDM co-ordinator, designer and contractors to address their obligations under these Regulations.

3.2 THE NATIONAL BUILDING REGULATIONS

In the opinion of Kiwa Ltd., the Product, if installed and used in accordance with Section 2 of this Agrément, can satisfy or contribute to satisfying the relevant requirements of the following national Building Regulations.

This Agrément shall not be construed to confer the compliance of any project-specific design with the national Building Regulations.

3.2.1 England**The Building Regulations 2010 and subsequent amendments**

- B4(1) External fire spread - the Product can adequately resist the spread of fire over walls and from one building to another
- C2(a) Resistance to moisture - a wall incorporating the Product, when used as a DPC, can adequately protect a building from ground moisture
- C2(b) Resistance to moisture - a wall incorporating the Product, when used as a cavity tray, can resist precipitation and satisfy this Requirement
- C2(c) Resistance to moisture - the Product is not a barrier to water vapour and will not adversely affect interstitial condensation
- Regulation 7(1) Materials and workmanship - the Product is manufactured from suitably safe and durable materials for the application and can be installed to give a satisfactory performance

3.2.2 Wales**The Building Regulations 2010 and subsequent amendments**

- B4(1) External fire spread - the Product can adequately resist the spread of fire over walls and from one building to another
- C2(a) Resistance to moisture - a wall incorporating the Product, when used as a DPC, can adequately protect a building from ground moisture
- C2(b) Resistance to moisture - a wall incorporating the Product, when used as a cavity tray, can resist precipitation and satisfy this Requirement
- C2(c) Resistance to moisture - the Product is not a barrier to water vapour and will not adversely affect interstitial condensation
- Regulation 7(1) Materials and workmanship - the Product is manufactured from suitably safe and durable materials for the application and can be installed to give a satisfactory performance

3.2.3 Scotland**The Building (Scotland) Regulations 2004 and subsequent amendments****3.2.3.1 Regulation 8(1) Durability, workmanship and fitness of materials**

- The Product is manufactured from acceptable materials and is adequately resistant to deterioration and wear under normal service conditions

3.2.3.2 Regulation 9: Building Standards - Construction

- 2.7 Spread on external walls - the Product can adequately resist the spread of fire
- 3.4 Moisture from the ground - the Product, when used as a DPC, will resist moisture penetration from the ground
- 3.10 Precipitation - the Product, when used as a cavity tray, will adequately resist moisture from precipitation penetrating to the inner face of a building
- 3.15 Condensation - the Product is not a barrier to water vapour and will not adversely affect interstitial condensation

3.2.3.3 Regulation 12: Building Standards - Conversions

- All comments given under Regulation 9 also apply to this Regulation, with reference to Schedule 6 of The Building (Scotland) Regulations 2004 and subsequent amendments, and clause 0.12 of the Technical Handbook (Domestic) and clause 0.12 of the Technical Handbook (Non-Domestic)

•

3.2.4 Northern Ireland**The Building Regulations (Northern Ireland) 2012 and subsequent amendments**

- 23(1)(a)(b) Fitness of materials and workmanship - the Product is manufactured from materials which are suitably safe and acceptable
- 28(a)(b) Resistance to moisture and weather - a wall incorporating the Product can contribute to adequately protecting a building from the passage of moisture from the ground (when used as a DPC) and from the weather (when used as a cavity tray)
- 29 Condensation - the Product is not a barrier to water vapour and will not adversely affect interstitial condensation
- 36 External fire spread - the Product can adequately resist the spread of fire over walls and from one building to another

3.2.5 Ireland**Building Regulations 1997 and subsequent amendments**

In order to demonstrate compliance with Irish Building Regulations, this BDA Agrément® certifies that the System complies with the requirements of a recognised document and indicates it is suitable for its intended purpose and use.

- B4 External fire spread - the Product can adequately resist the spread of fire over walls and from one building to another
- B9 External fire spread - the Product can adequately resist the spread of fire over walls and from one building to another for dwelling houses
- C4 Resistance to weather and ground moisture - a wall incorporating the Product can contribute to adequately protecting a building from ground moisture (when used as a DPC) and moisture from precipitation penetrating an outer masonry leaf (when used as a cavity tray). The Product is not a barrier to water vapour and will not adversely affect interstitial condensation
- D1 Materials and workmanship - the Product is manufactured from suitably safe and durable materials for the application, and can be installed to give a satisfactory performance

In the opinion of Kiwa Ltd. if installed, used, and maintained in accordance with this Agrément, this Product can satisfy the appropriate structural, fire, moisture and durability requirements of a Structural Warranty provider. Please contact the relevant Structural Warranty provider to ascertain their project-specific design requirements and to confirm their acceptance on a case-by-case basis.

4 SOURCES

- BS EN ISO 9001:2015 Quality management systems. Requirements
- BS EN 495-5:2013 Flexible sheets for waterproofing. Determination of foldability at low temperature. Plastic and rubber sheets for roof waterproofing
- BS EN 1052-4:2000 Methods of test for masonry. Determination of shear strength including damp proof course
- BS EN 1296:2001 Flexible sheets for waterproofing. Bitumen, plastic and rubber sheets for roofing. Method of artificial ageing by long term exposure to elevated temperature
- BS EN 1847:2009 Flexible sheets for waterproofing. Plastics and rubber sheets for roof waterproofing. Methods for exposure to liquid chemicals, including water
- BS EN 1928:2000 Flexible sheets for waterproofing. Bitumen, plastic and rubber sheets for roof waterproofing. Determination of watertightness
- BS EN 1931:2000 Flexible sheets for waterproofing. Bitumen, plastic and rubber sheets for roof waterproofing. Determination of water vapour transmission properties
- BS EN 1993-1-1:2005+A1:2014 Eurocode 3. Design of steel structures - General rules and rules for buildings
- NA+A1:2014 to BS EN 1993-1-1:2005+A1:2014 UK National Annex to Eurocode 3. Design of steel structures - General rules and rules for buildings
- BS EN 1993-1-3:2006 Eurocode 3. Design of steel structures - General rules - Supplementary rules for cold-formed members and sheeting
- NA to BS EN 1993-1-3:2006 UK National Annex to Eurocode 3. Design of steel structures - General rules - Supplementary rules for cold-formed members and sheeting
- BS EN 1995-1-1:2004+A2:2014 Eurocode 5: Design of timber structures - General. Common rules and rules for buildings
- NA to BS EN 1995-1-1:2004+A2:2014 UK National Annex to Eurocode 5: Design of timber structures - General. Common rules and rules for buildings
- BS EN 1996-1-1:2005+A1:2012 Eurocode 6. Design of masonry structures - General rules for reinforced and unreinforced masonry structures
- NA to BS EN 1996-1-1:2005+A1:2012 UK National Annex to Eurocode 6. Design of masonry structures - General rules for reinforced and unreinforced masonry structures
- BS EN 1996-2:2006 Eurocode 6. Design of masonry structures. Design considerations, selection of materials and execution of masonry
- NA to BS EN 1996-2:2006 UK National Annex to Eurocode 6. Design of masonry structures. Design considerations, selection of materials and execution of masonry
- BS EN 12310-1:2000 Flexible sheets for waterproofing. Determination of resistance to tearing (nail shank). Bitumen sheets for roof waterproofing
- BS EN 12311-2:2013 Flexible sheets for waterproofing. Determination of tensile properties. Plastic and rubber sheets for roof waterproofing
- BS EN 12317-2:2010 Flexible sheets for waterproofing. Determination of shear resistance of joints. Plastic and rubber sheets for roof waterproofing
- BS EN 12691:2018 Flexible sheets for waterproofing. Bitumen, plastic and rubber sheets for roof waterproofing. Determination of resistance to impact
- BS EN 12730:2015 Flexible sheets for waterproofing. Bitumen, plastic and rubber sheets for roof waterproofing. Determination of resistance to static loading
- BS EN 13501-1:2018 Fire classification of construction products and building elements. Classification using data from reaction to fire tests
- BS EN 14081-1:2016+A1:2019 Timber structures. Strength graded structural timber with rectangular cross section - General requirements
- BS EN 14909:2012 Flexible sheets for waterproofing. Plastic and rubber damp proof courses. Definitions and characteristics
- BS 8000-0:2014+A1:2024 Workmanship on construction sites. Introduction and general principles
- BS 8215:1991 Code of practice for design and installation of damp-proof courses in masonry construction
- DD 86-1:1983 Damp-proof courses. Methods of test for flexural bond strength and short term shear strength
- I.S. EN 1993-1-1:2005 Eurocode 3: Design of steel structures. Part 1-1: General rules and rules for building
- I.S. EN 1993-1-1/NA:2005 Irish National Annex (Informative) to Eurocode 3: Design of steel structures. Part 1-1: General rules and rules for building
- I.S. EN 1993-1-3:2006 Eurocode 3: Design of steel structures. Part 1-3: General rules. Supplementary rules for cold-formed members and sheeting
- I.S. EN 1993-1-3/NA:2006 Irish National Annex to Eurocode 3: Design of steel structures. Part 1-3: General rules. Supplementary rules for cold-formed members and sheeting
- I.S. EN 1995-1-1:2005 Eurocode 5: Design of timber structures. Part 1-1: General. Common rules and rules for buildings
- I.S. EN 1995-1-1/NA:2005+A1:2013 Irish National Annex to Eurocode 5: Design of timber structures. Part 1-1: General. Common rules and rules for buildings
- I.S. EN 1996-1-1:2005+A1:2012 Eurocode 6: Design of masonry structures. Part 1-1: General rules for reinforced and unreinforced masonry structures
- I.S. EN 1996-1-1+A1:2012/NA:2010+A1:2014 Irish National Annex to Eurocode 6: Design of masonry structures. Part 1-1: General rules for reinforced and unreinforced masonry structures
- I.S. EN 1996-2:2006 Eurocode 6: Design of masonry structures. Part 2: Design considerations, selection of materials and execution of masonry
- I.S. EN 1996-2:2006/NA:2006 Irish National Annex to Eurocode 6: Design of masonry structures. Part 2: Design considerations, selection of materials and execution of masonry
- PD 6693-1:2019 Recommendations for the design of timber structures to Eurocode 5: Design of timber structures - General. Common rules and rules for building
- PD 6697:2019 Recommendations for the design of masonry structures to BS EN 1996-1-1 and BS EN 1996-2

Remark - Apart from these sources, technical information and confidential reports have been assessed; any relevant documents are in the possession of Kiwa Ltd. and are kept in the Technical Assessment File of this Agrément. The Installation Manual for the Product may be subject to change; contact the Agrément holder for the clarification of revisions.

5 AMENDMENT HISTORY

Revision	Amendment description	Author	Approver	Date
-	First issue	A Chapman	C Devine	September 2024
A	Edit to ancillary items	A Chapman	C Devine	October 2024
B	Update to installation methods and related ancillary items	C Vidjeane	C Devine	April 2026

6 CONDITIONS OF USE

This Agrément may only be reproduced and distributed in its entirety.

Where a National Annex exists in respect of a BS EN (or other) standard, its use is deemed mandatory wherever the original standard is referenced.

Kiwa Ltd. has used due skill, care and attention in the preparation of this BDA Agrément®.

Whilst all due diligence has been used, no liability or warranty is extended by Kiwa Ltd.

The Agrément holder is responsible for advising Kiwa Ltd. immediately if there is a variation to the Product specification or constituent elements/components after initial publication of this BDA Agrément®.

For full terms and conditions, refer to Kiwa Ltd.