



Kiwa Ltd.
Unit 5 Prime Park Way
Prime Enterprise Park
Derby
DE1 3QB
+44 (0)1332 383333
uk.bpenquiries@kiwa.com
www.kiwa.co.uk/bda



BAB-18-077-S-A-UK
BDA Agrément®
Visqueen Axiom UniSeal
Waterproof, Damp-Proof and
Tanking Membrane



Visqueen Building Products
Heanor Gate Industrial Estate
Heanor
Derbyshire
DE75 7RG
+44 (0) 333 202 6800
enquiries@visqueen.com
www.visqueen.com

SCOPE OF AGRÉMENT

This BDA Agrément® (hereinafter 'Agrément') relates to Visqueen Axiom UniSeal (hereinafter the 'System'). The System is a two-part, multi-use liquid applied waterproofing membrane for use in below ground structures, ranging from domestic basements to large civil engineering projects in the following applications: fillet and reinforcement material at inside corners, detailing irregular profiles and pipe penetrations such as steel stanchions, externally waterproofing masonry and blockwork, sealing steel reinforcements and materials at terminations. The System is for new residential buildings, and buildings other than residential buildings.

DESCRIPTION

The System consists of a bitumen-extended polyurethane fluid and an accelerator hardener which cures rapidly giving a continuous tough rubber-like, waterproofing coating to provide a fully bonded Type A membrane. This contributes to provide waterproofing protection Grades 1 and 2; and Grade 3 when part of a combined waterproofing protection solution design.

ILLUSTRATION



THIRD-PARTY ACCEPTANCE

See Section 3.3 (Third-Party Acceptance).

STATEMENT

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

Craig Devine
Operations 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 System. This Agrément covers the following:

- Conditions of use;
- Production Control, Quality Management System and the Annual Verification Procedure;
- System components and ancillary items, points of attention for the Specifier and examples of details;
- Installation;
- Independently assessed System 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 System:

- can contribute to limiting the risk of surface condensation;
- will provide protection against water penetration.

Strength - see Section 2.2.8 - the System has adequate tensile strength in accordance with BS EN ISO 527 - see section 2.5.

Fire performance - see Section 2.2.9 - the System is classified as European Classification E / E_n, in accordance with BS EN 13501-1.

Resistance to chemicals and ground gases - see Section 2.2.12 - the System can contribute to resisting the passage of certain gases and chemicals from the soil.

Durability - see Section 2.2.13 - the service life durability of the System will be dependent upon the environment (operating conditions) in which the System will be used.

UKCA, UKNI and CE marking - see Section 2.2.14 - the manufacturers of the constituent products used within the System have 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 - System 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 System 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 System relates to its use in accordance with this Agrément and the Agrément holder's requirements.

1.1.3 Assessment

Kiwa Ltd. has assessed the System 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 System 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 and Northern 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 System 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 System.

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 System 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 System. It is intended only as an assessment of safety and fitness for purpose.

2.1 SYSTEM 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 System.

Table 1 - Integral components

Component	Description		Specifications
Visqueen Axiom UniSeal	a two component, multi-use liquid applied waterproofing and damp-proofing membrane system both supplied in the same tin with an overall product weight of 15.6 kg, consisting of:	a bitumen-extended polyurethane fluid - Part A	15 kg
		an accelerator hardener - Part B	0.6 kg

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 System, but fall outside the scope of this Agrément:

- Visqueen Protect&Drain (6, 12 or 25);
- Visqueen Treadguard 1500;
- Visqueen Self Adhesive Membrane (SAM) - a tanking or damp-proof membrane for both horizontal and vertical applications;
- Visqueen Gas Resistant Self Adhesive Membrane (GR SAM) - a tanking or damp-proof membrane for both horizontal and vertical applications where bulk gases exist;
- a variable speed paddle mixer;
- application tools such as plasterers hawk and float, trowel or scraper;
- supporting substrate.

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 System.

2.2.1.3 General design considerations

The supporting substrate shall be structurally sound, designed and constructed in accordance with current national Building Regulations, British Standards and relevant Codes of Practice.

New concrete, masonry and block supporting walls shall be structurally sound, designed and constructed in accordance with:

- BS EN 1992-1-1;
- BS EN 1992-1-2;
- BS EN 1996-1-1;
- BS EN 1996-2;
- PD 6697.

The application of the System is only allowed on a substrate fit for purpose; it is essential that the following specific performance requirements are met:

- flatness in accordance with the relevant clauses of BS 8102;
- durable strength and stiffness of the structure which must be capable of absorbing all forms of external loadings as established by a Structural Engineer to BS EN 1991-1-1 and BS EN 1991-1-3;
- durable adhesion and pre-treatment of the substrate in accordance with the relevant clauses of BS 8102.

The System shall be:

- carefully installed in accordance with the Agrément holder's guidance;
- allowed to cure sufficiently;
- protected with a suitable protection.

Where shuttering is to be removed to expose the outer face of the concrete walls, the System should be used to complete the work.

The steel shall be C5 protected before the System is applied.

The System and its components shall not remain permanently exposed.

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 2.2.13.

A pre-installation survey is required to allow determination of the project-specific design - see Section 2.4.1.

2.2.2 Applied building physics (heat, air, moisture)

A Specialist shall check the hygrothermal behaviour of a project-specific design incorporating the System 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 System 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 System components are delivered in suitable packaging bearing relevant identification information (such as the System 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 System components shall be stored in accordance with the Agrément holder's requirements. Good housekeeping protocols shall be followed to avoid damage.

Where required, particular care shall be taken to:

- store in a well-ventilated covered area to protect System components from rain, frost and humidity;
- avoid exposure to direct sunlight for extended periods of time and store away from heat and oxidising agents;
- protect System components from being dropped or crushed by objects; care must be exercised when storing large quantities on site;
- ensure System components are not exposed to open flame or other sources of ignition, and are stored away from flammable material such as paint and solvents;
- store liquid components in their tightly closed original containers.

For appropriate storage, minimum and maximum temperatures shall be observed, including limitations of shelf life, in accordance with the manufacturer's recommendations when stored correctly and in unopened containers.

2.2.6 Maintenance and repair

Once installed, the System 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

The System satisfactorily contributes to provide waterproofing and damp proofing for Type A basement constructions to achieve protection Grades 1 and 2; and Grade 3 when part of a combined waterproofing protection solution design in accordance with BS 8102 - see Section 2.5.1.

The System shall be protected prior to back-fill; suitable protection includes:

- appropriate insulation material;
- Visqueen Protect&Drain (6, 12 or 25);
- Visqueen Treadguard 1500.

Concerning the watertightness; the System will resist the passage of water and any other form of moisture or vapour infiltration from the ground.

The construction should conform with current national Building Regulations, British Standards, relevant Codes of Practice, where necessary.

2.2.8 Strength

The application of the System is only allowed on a substrate fit for purpose.

The System has adequate tensile strength in accordance with BS EN ISO 527 - see Section 2.5.2.

2.2.9 Fire performance

The System is classified as European Classification E / E_{fl}, in accordance with BS EN 13501-1.

The System does not prejudice the fire-resistance properties of the building, the waterproofed structure being fully covered. Therefore, the components of the System will not contribute to the development stages of a fire or present a smoke or toxic hazard.

The continuity of fire resistance must be maintained; refer to the relevant national Building Regulations for details.

2.2.10 Resistance to chemicals and ground gases

The System can contribute to resisting the ingress of radon - see Section 2.5.4.

2.2.11 Durability

The service life durability of the System 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 System is not susceptible to damage from environmental conditions normally encountered in the UK.

2.2.12 UKCA, UKNI and CE marking

There is no relevant Product standard for the System.

2.3 EXAMPLES OF TYPICAL DETAILS

Diagram 1 - Typical detail for tie bar loop

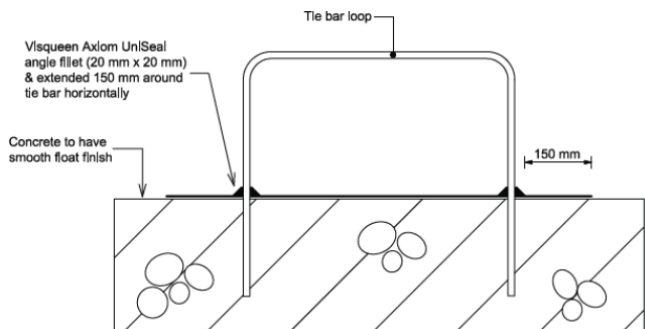


Diagram 2 - Typical detail wall tie

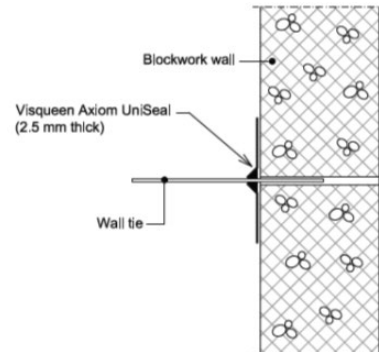


Diagram 3 - Typical detail steel stanchion

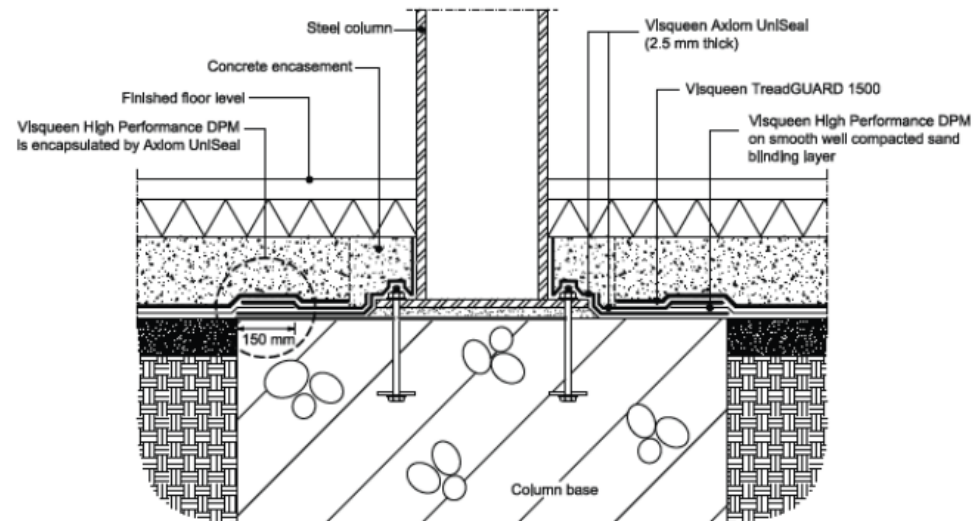


Diagram 4 - Typical detail pipe penetration

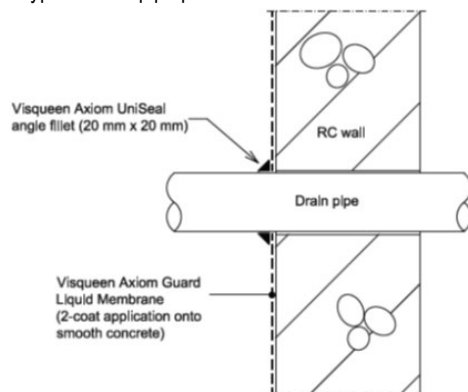


Diagram 5 - Typical detail angle fillet detail

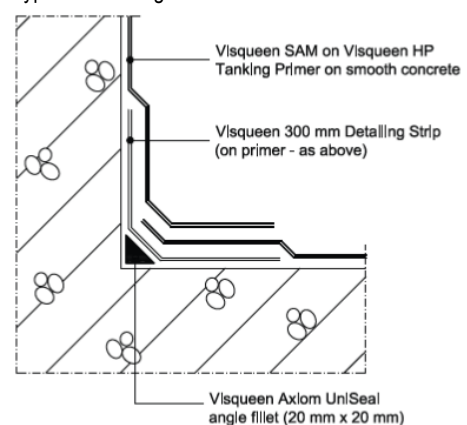
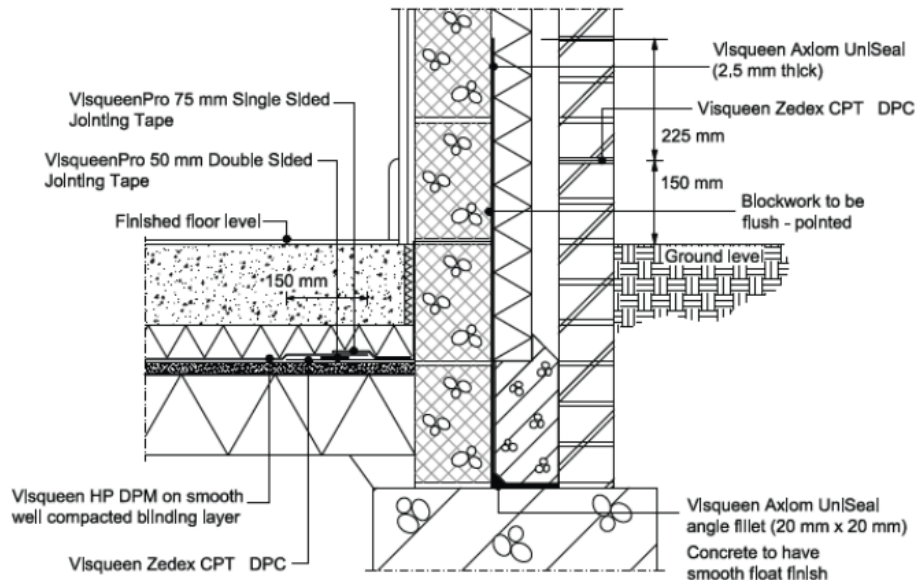


Diagram 6 - Typical detail blockwork



2.4 INSTALLATION

The System 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

The project-specific design shall be determined from a pre-installation survey.

The System shall be installed in accordance with the Agrément holder's recommendations, BS 8000-0, BS 8000-2.2, BS 8000-3, BS 8000-4 and BS 8485 as appropriate.

The primary requirement of the pre-installation survey is to determine the following:

- all surfaces to be waterproofed are structurally stable, clean, dry and free from release agents, dust, laitance, oils, paints or other forms of contamination;
- all surfaces are inspected for surface irregularities; suitable repairs shall be made according to the installation instructions of the Agrément holder;
- fillet applications shall be applied prior to the application of the self-adhesive membrane.

2.4.2 Preparation

The following considerations apply before starting the work:

- the System shall not be applied at an ambient temperature $< 5^{\circ}\text{C}$;
- the mixing shall be done strictly according to the Agrément holder's recommendations using a variable speed mixer with paddle;
- once mixed, the System shall be applied within 1 hour at normal ambient temperatures;
- the System will be touch dry within 3 hours;
- once opened and mixed, the liquid cannot be resealed and used again and shall be discarded appropriately.

The following works shall be undertaken before installing the System:

- special attention shall be given to the cleaning and preparing of all areas and connections involved before the System is installed;
- the application of the System is only allowed on a substrate fit for purpose;
- it is essential that the flatness of the substrate in accordance with the relevant clauses of BS 8102 was met.

2.4.3 Outline installation procedure

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

The following ranges are to be considered:

- thicknesses for penetrations, full covering and for sealing steel reinforcements to be $\geq 2.5\text{ mm}$;
- in fillet applications, the material should be at least 20 mm thickness in the horizontal and vertical surfaces.

The outline procedure is as follows:

- apply the mixed Visqueen Axiom UniSeal using a plasterers hawk and float, trowel or scraper;
- ensure an even and continuous coating, paying special attention to corners and junctions;
- apply additional coats as required, allowing each coat to cure before applying the next coating;
- for external tanking on blockwork:
 - the base structural slabs and the walls shall be formed, and the vertical System shall then be applied;
 - the membrane shall then be protected from backfilling using suitable insulation or Visqueen protection material.

2.4.4 Finishing

The following finishing is required on completion of the installation:

- clean all equipment after use;
- cover the System with suitable protection (outside the scope of this Agrément).

2.5 INDEPENDENTLY ASSESSED SYSTEM CHARACTERISTICS

2.5.1 Moisture control

Test	Standard	Result
Water vapour diffusion resistance factor, μ	BS EN ISO 12572	9,000
Water vapour diffusion resistance, S_D	BS EN 1931	22.5 m
Water vapour diffusion resistance (by calculation)		112.5 MNs/g
Watertightness	EAD 030350-00-0402	Watertight

2.5.2 Strength

Test	Standard	Result
Tensile strength at break at 23°C	BS EN ISO 527	4 N/mm ²
Elongation at break at 23 °C		≥ 500 %
Hardness	BS EN ISO 868	25 Shore A

2.5.3 Fire performance

Test	Standard	Result
Reaction to fire	BS EN 13501-1	E/E _{fl}

2.5.4 Resistance to chemicals and ground gases

Test	Standard	Result
Radon diffusion coefficient D	ISO/TS 11665-13	$7.8 \pm 0.7 \cdot 10^{-11} \text{ m}^2/\text{s}$

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 System, 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**

- A1 Loading - When adequately confined, the System contributes to satisfying this Requirement
- B3 Internal fire spread - the internal linings shall inhibit the spread of fire within a building
- B4(1) External fire spread - the System does not prejudice the fire-resistance properties of the building, the waterproofed structure being fully covered
- C1(2) Preparation of site and resistance to contaminants - the System can contribute to separating the occupants from contaminants in the ground
- C2(a) Resistance to moisture - the System can resist the passage of moisture from the ground when adequately installed
- C2(b) Resistance to moisture - the System can resist the passage of moisture when adequately installed
- Regulation 7(1) Materials and workmanship - the System is manufactured from suitably safe and durable materials for their application and can be installed to give a satisfactory performance

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

- A1 Loading - When adequately confined, the System contributes to satisfying this Requirement
- B3 Internal fire spread - the internal linings shall inhibit the spread of fire within a building
- B4(1) External fire spread - the System does not prejudice the fire-resistance properties of the building, the waterproofed structure being fully covered
- C1(2) Preparation of site and resistance to contaminants - the System can contribute to separating the occupants from contaminants in the ground
- C2(a) Resistance to moisture - the System can resist the passage of moisture from the ground when adequately installed
- C2(b) Resistance to moisture - the System can resist the passage of moisture when adequately installed
- Regulation 7(1) Materials and workmanship - the System is manufactured from suitably safe and durable materials for their application and can be installed to give a satisfactory performance

3.2.3 Scotland**The Building (Scotland) Regulations 2004 and subsequent amendments****Regulation 8 (1)(2) Durability of materials and workmanship**

- the System is manufactured from acceptable materials and are considered to be adequately resistant to deterioration and wear under normal service conditions, provided they are installed in accordance with the requirements of this Agrément

Regulation 9 Building Standards-Construction

- 1.1(a)(b) Structure - The application of the System will not adversely affect the building's ability to transmit loadings
- 2.5 Internal lining - the internal linings shall inhibit the spread of fire within a building
- 2.8 Spread from neighbouring buildings - under normal circumstances the use of the System is unrestricted under this Requirement
- 3.1 Site preparation - harmful and dangerous substances - the System can contribute to separating a building and occupants from harmful or dangerous substances
- 3.4 Moisture from the ground - The System will resist the passage of water and any other form of moisture infiltration from the ground
- 3.15 Condensation - the System can adequately limit the risk of surface condensation and contribute to minimising the risk of interstitial condensation
- 7.1(a)(b) Statement of sustainability - the System 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

- 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, 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)(i)(iii)(b) Fitness of materials and workmanship - the System is manufactured from suitably safe and durable materials for its application and can be installed to give a satisfactory performance provided it is installed in accordance with the requirements of this Agrément
- 26(1)(b) Site preparation and resistance to contaminants - the System can contribute to separating a building and occupants from harmful contaminants
- 23(2) Fitness of materials and workmanship - the System can contribute to satisfying this Requirement
- 28(a) Resistance to ground moisture - the System will resist the passage of water and any other form of moisture or vapour infiltration from the ground
- 28(b) Resistance to moisture and weather - the System can be constructed to prevent the passage of moisture from the weather
- 30 Stability - Being adequately confined and protected, the System contributes to satisfying this Requirement
- 34 Internal fire spread lining - the internal linings shall inhibit the spread of fire within a building
- 35 Internal fire spread (structure) - the System can inhibit the spread of a fire within a building
- 36(a) External fire spread - the System does not prejudice the fire-resistance properties of the building, the waterproofed structure being fully covered

3.3 THIRD-PARTY ACCEPTANCE

In the opinion of Kiwa Ltd. if installed, used, and maintained in accordance with this Agrément, this System can satisfy the appropriate structural, fire, moisture, thermal, acoustic 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 527-1:2012 Plastics - Determination of tensile properties - Part 1: General principles
- BS EN ISO 527-3:1996 Plastics - Determination of tensile properties - Part 3: Test conditions for films and sheets
- BS EN ISO 868:2003 Plastics and ebonite - Determination of indentation hardness by means of a durometer (Shore hardness)
- BS EN ISO 9001:2015 Quality management systems. Requirements
- BS EN ISO 10211:2017 Thermal bridges in building construction. Heat flows and surface temperatures.
- BS EN 1931:2000 Flexible sheets for waterproofing. Bitumen, plastic and rubber sheets for roof waterproofing. Determination of water vapour transmission properties
- BS EN 1991-1-1:2002 Eurocode 1. Actions on structures - General actions - Densities, self-weight, imposed loads for buildings
- NA to BS EN 1991-1-1:2002 UK National Annex to Eurocode 1. Actions on structures - General actions. Densities, self-weight, imposed loads for buildings
- BS EN 1991-1-3:2003+A1:2015 Eurocode 1. Actions on structures - General actions. Snow loads
- NA+A2:2018 to BS EN 1991-1-3:2003+A1:2015 UK National Annex to Eurocode 1: Actions on structures - General actions. Snow loads
- BS EN 1992-1-1:2004+A1:2014 Eurocode 2. Design of concrete structures - General rules and rules for buildings
- NA+A2:2014 to BS EN 1992-1-1:2004+A1:2014 UK National Annex to Eurocode 2. Design of concrete structures - General rules and rules for buildings
- BS EN 1992-1-2:2004+A1:2019 Eurocode 2. Design of concrete structures - General rules. Structural fire design
- NA to BS EN 1992-1-2:2004 UK National Annex to Eurocode 2. Design of concrete structures - General rules - Structural fire design
- 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 13501-1:2018 Fire classification of construction products and building elements. Classification using data from reaction to fire tests
- BS 8000-0:2014+A1:2024 Workmanship on construction sites - Introduction and general principles
- BS 8000-2.2:1990 Workmanship on building sites. Code of practice for concrete work - Sitework with in situ and precast concrete
- BS 8000-3:2020 Workmanship on construction sites - Masonry. Code of practice
- BS 8000-4:1989 Workmanship on building sites. Code of practice for waterproofing
- BS 8102:2022 Protection of below ground structures against water ingress. Code of practice
- BS 8485:2015+A1:2019 Code of practice for the design of protective measures for methane and carbon dioxide ground gases for new buildings
- EAD 030350-00-0402:2018 Liquid applied roof waterproofing kits
- PD ISO/TS 11665-13:2017 Measurement of radioactivity in the environment. Air: radon 222 - Determination of the diffusion coefficient in waterproof materials: membrane two-side activity concentration test method
- 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 System 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 (as BAB 18-077/02/A)	N Hendriks	C van der Meijden	February 2018
A	Reissued as BAB-18-077-S-A-UK (i.e. UK Agrément number) following successful 3 Year Renewal	C Devine	C Vurley	December 2021
B	Updates to third-party acceptance	A Chapman	C Devine	November 2024
C	Migration into current UK template; reissue upon successful 3 Year Renewal	K Annamaneni	C Devine	May 2025

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 System specification or constituent elements/components after initial publication of this BDA Agrément®.

For full terms and conditions, refer to Kiwa Ltd.