

**Mapei UK Ltd**  
Mapei House  
Steel Park Road  
Halesowen  
West Midlands B62 8HD

Tel: 0121 508 6970 Fax: 0121 508 6960

e-mail: [info@mapei.co.uk](mailto:info@mapei.co.uk)

website: [www.mapei.co.uk](http://www.mapei.co.uk)



**Agrément Certificate**

**23/6975**

Product Sheet 1 Issue 1

## MAPEI UK WATERPROOFING SYSTEMS

### PLANISEAL CW

This Agrément Certificate Product Sheet<sup>(1)</sup> relates to Planiseal CW, a cementitious waterproofing compound for use as internal waterproofing against penetrating damp for walls of brickwork, blockwork, concrete, concrete blockwork or stone below the level of the installed damp-proof course (DPC).

(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 issue: 26 September 2023

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

1<sup>st</sup> Floor Building 3  
Croxley Park, Watford  
Herts WD18 8YG

©2023

tel: 01923 665300  
[clientservices@bbacerts.co.uk](mailto:clientservices@bbacerts.co.uk)  
[www.bbacerts.co.uk](http://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

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



In the opinion of the BBA, the use of Planiseal CW in an existing building is not subject to these Regulations, but action to satisfy Requirement C2(a) and Regulation 7(1) may be necessary for a 'Material change of use' as defined in Regulation 5(a):

**Requirement: C2(a)**

**Resistance to moisture**

Comment:

The product adequately resists the passage of moisture. 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.

#### The Building (Scotland) Regulations 2004 (as amended)



In the opinion of the BBA, the use of Planiseal CW in an existing building is not subject to these Regulations, but action to satisfy the Regulations and related Mandatory Standards below may be necessary for a 'Conversion' as defined in Regulation 4:

**Regulation: 8(1)**

**Fitness and durability of materials and workmanship**

Comment:

The product can contribute to a construction satisfying this Regulation. See Sections 8 and 9 of this Certificate.

**Regulation: 9**

**Building standards - construction**

Standard:

3.3

Flooding and ground water

Standard:

3.4

Moisture from the ground

Comment:

The product adequately resists the passage of moisture and can contribute to satisfying these Standards, with reference to clauses 3.3.1<sup>(1)(2)</sup>, 3.4.1<sup>(1)(2)</sup> and 3.4.5<sup>(1)(2)</sup>. See Section 3 of this Certificate.

Standard: 7.1(a)

Statement of sustainability

Comment:

The product can contribute to meeting 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:

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<sup>(1)(2)</sup> and Schedule 6<sup>(1)(2)</sup>.

(1) Technical Handbook (Domestic).

(2) Technical Handbook (Non-Domestic).

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



In the opinion of the BBA, the use of Planiseal CW in an existing building is not controlled by these Regulations, but action to satisfy Regulations 23(1)(a)(i)(ii)(iii)(iv) and 28(a) may be necessary for a 'Material change of use' under Regulation 8:

**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: 28(a)**

**Resistance to moisture and weather**

Comment:

The product adequately resists the passage of moisture. See Section 3 of this Certificate.

## Additional Information

### NHBC Standards 2023

In the opinion of the BBA, Planiseal CW, if installed, used and maintained in accordance with this Certificate, can satisfy or contribute to satisfying the relevant requirements in relation to *NHBC Standards*, Chapter 5.4 *Waterproofing of basements and other below ground structures*.

## Fulfilment of Requirements

The BBA has judged Planiseal CW to be satisfactory for use as described in this Certificate. The product has been assessed as a cementitious waterproofing compound for use as internal waterproofing against penetrating damp for walls of brickwork, blockwork, concrete, concrete blockwork or stone below the level of the installed DPC. The product is a Type A tanking membrane as defined in BS 8102 : 2009 Section 8.2.7, and is used in accordance with this Standard.

## ASSESSMENT

### Product description and intended use

The Certificate holder provided the following description for the product under assessment. Planiseal CW consists of cementitious compound containing cement, graded sands and chemical additives, which is mixed with water on site and applied as a slurry to form an internal waterproofing layer against penetrating water for walls of brickwork, blockwork, concrete, concrete blockwork or stone below the level of the installed DPC.

#### Ancillary Items

The Certificate holder recommends the following ancillary items for use with the product, but these materials have not been assessed by the BBA and are outside the scope of this Certificate:

- replastering specifications — a range of replastering products for use on existing internal walls following the installation of the product.

### Product assessment – key factors

The product was assessed for the following key factors, and the outcome of the assessments are 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**

Not applicable.

### 3 Hygiene, health and the environment

Data were assessed for the following characteristics.

#### 3.1 Properties in relation to water

3.1.1 Results of depth of penetration of water under pressure tests are given in Table 1.

*Table 1*

Product assessed	Assessment method	Requirement	Result
Depth of penetration of water under pressure in hardened concrete which has been water cured	BS EN 12390-8 : 2009	No water penetration	Pass

3.1.2 The product resists the penetration of water through the wall below the level of an installed chemical damp-proofing system.

### 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

Not applicable.

### 8 Durability

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

8.2 A survey of known users was conducted to assess the performance of the product in use.

#### 8.4 Service life

Under normal service conditions and when protected from damage as described in section 9, the product will remain effective for the life of the DPC with which it is installed.

## PROCESS ASSESSMENT

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

### 9 Design, installation, workmanship and maintenance

#### 9.1 Design

Not applicable.

## 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. A summary of instructions and guidance are provided in Annex A.

9.2.3 All joints must be flush pointed, defects made good, and irregular surfaces given a trowelled or floated finish with an appropriate mortar. The Certificate holder can advise on suitable materials, but such advice and products are outside of the scope of this Certificate.

9.2.4 All surfaces must be free from existing coatings or contamination (eg paint, laitance or dirt).

9.2.5 If the surface is dry, it must be thoroughly wetted but free from surface water prior to Planiseal CW being applied.

9.2.6 If the substrate contains high levels of salt contamination, particularly sulphates, advice should be sought from the Certificate holder before proceeding.

9.2.7 the product is applied at temperatures of 5°C and above.

## 9.3 Workmanship

Practicability of installation was assessed by the BBA on the basis of Certificate holder's information. To achieve the performance described in this Certificate, installation of the product must be carried out by contractors with experience of this type of product using the methods described in this Certificate.

## 9.4 Maintenance and repair

The product is for internal use and does not require maintenance.

## 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 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 supplied 20 kg paper sacks or 20 kg paper bag in a polypropylene bucket. Each container carries a label bearing the product name, Certificate holder's name and address, and gross weight.

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

11.2.1 The product is cement-based and must be stored in dry conditions.

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.

### CLP Regulations

The Certificate holder has taken the responsibility of classifying and labelling the product 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).

### 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.

### Additional information on installation

A.1 The product is mixed with potable water in clean containers in the ratio 3.2 - 4.2 Litre : 20 kg to form a slurry. Care must be taken to avoid the formation of lumps.

A.2 After the product is mixed, it must be used within 30 minutes.

A.3 The product is applied to the substrate in at least two coats, to achieve a minimum thickness of 2 mm (4 kg·m<sup>-2</sup>).

A.4 The first coat of the product is applied by brush and vigorously worked into the surface. Application is conducted so that a flowing edge is maintained. If this is not possible, when application is continued the previously applied coat must be overlapped by at least 250 mm. The second coat (and subsequent coats) may be applied by brush or trowel, either after the previous coat's initial set (in normal circumstances, after a minimum period of three hours) or after the previous coat has hardened fully.

A.5 Each coat is examined for damage or areas of incomplete coverage before the next is applied.

A.6 Once the final coating has hardened fully, a coat of a suitable renovation plaster covered by a valid BBA Certificate is applied to protect it from damage in service. Alternatively, a suitable any of the sand-cement or sand-lime-cement replastering specification may be used. The performance of such replastering Specifications is outside of the scope of this Certificate.

A.7 Under no circumstances must gypsum-based products be used in direct contact with Planiseal CW.

## Bibliography

BS 8102 : 2009 *Code of practice for protection of below ground structures against water from the ground*

BS EN ISO 9001 : 2015 *Quality management systems — Requirements*

BS EN 12390-8 : 2009 *Testing hardened concrete — Depth of penetration of water under pressure*



## Conditions of Certificate

### 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
- is valid only within the UK
- 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
- is subject to English Law.

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.

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1<sup>st</sup> Floor Building 3  
Croxley Park, Watford  
Herts WD18 8YG

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tel: 01923 665300  
clientservices@bbacerts.co.uk  
[www.bbacerts.co.uk](http://www.bbacerts.co.uk)