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Agrément Certificate

02/3961

Product Sheet 6 Issue 6

WYKAMOL CHEMICAL DAMP-PROOFING SYSTEMS

HYDRADRY TANKING SLURRY

This Agrément Certificate Product Sheet⁽¹⁾ relates to HydraDry Tanking Slurry, 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 system described herein. This system 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 Sixth issue: 29 August 2024

Originally certified on 4 December 2002

Hardy Giesler
Chief Executive Officer

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

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

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

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

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

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SUMMARY OF ASSESSMENT AND COMPLIANCE

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

Compliance with Regulations



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

In the opinion, the use of HydraDry Tanking Slurry 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 system will contribute to satisfying this Requirement. See section 3 of this Certificate.

Requirement: 7(1) Materials and workmanship
Comment: The system 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 HydraDry Tanking Slurry 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 system 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 system will contribute to satisfying these Standards, with reference to clauses 3.3.1⁽¹⁾⁽²⁾, 3.4.1⁽¹⁾⁽²⁾ and 3.4.5⁽¹⁾⁽²⁾. See Section 3 of this Certificate.

Standard: 7.1(a) Statement of sustainability
Comment: The system 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 - conversion
Comment: All comments given for the system 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)

In the opinion of the BBA, the use of HydraDry Tanking Slurry 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 system is acceptable. See Sections 8 and 9 of this Certificate.

Regulation: 28(a)
Comment:

Resistance to moisture and weather
The system will contribute to satisfying this Regulation. See Section 3 of this Certificate.

Additional Information

NHBC Standards 2024

In the opinion of the BBA, HydraDry Tanking Slurry, 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 HydraDry Tanking Slurry to be satisfactory for use as described in this Certificate. The system 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.

ASSESSMENT

Product description and intended use

The Certificate holder provided the following description for the system under assessment. HydraDry Tanking Slurry consists of cementitious compound containing cement, graded sands and chemical additives, which is mixed with water on site.

Applications

The system is a type A tanking membrane as defined in BS 8102 : 2022 and has been assessed for use as part of a remedial system below the level of a chemical DPC⁽¹⁾.

(1) The performance of the DPC is outside the scope of this Certificate.

Product assessment – key factors

The system was assessed for the following key factors, and the outcome of the assessment 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

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 The result of a water penetration under pressure test is given in Table 1.

Table 1

System assessed	Assessment method	Requirement	Result
HydraDry Tanking Slurry	BS EN 12390-8 : 2009	No water penetration	Pass

3.1.2 On the basis of data assessed, the system has satisfactory resistance to water penetration .

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 system were assessed.

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

8.3 Service life

Under normal service conditions and when protected from damage as described in section 9, the system will have a life at least equivalent to that 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 Installation

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

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

9.1.3 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 the scope of this Certificate.

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

9.1.5 If the surface is dry, it must be thoroughly wetted but free from surface water prior to HydraDry Tanking Slurry being applied.

9.1.6 If the substrate contains high levels of salt contamination, particularly sulphates, a suitable salt neutraliser must be used to contain the salts during the curing process. Advice must be sought from the Certificate holder before proceeding, but such advice is outside the scope of this Certificate.

9.1.7 The system must not be applied at temperatures below 5°C.

9.1.8 After the system is mixed, it must be used within 30 minutes.

9.1.9 The system must be 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.

9.1.10 The system is applied to the substrate in at least two coats, to achieve a minimum thickness of 2 mm (4 kg·m⁻²).

9.1.11 The first coat of the system 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 any 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.

9.1.12 Each coat must be examined for damage or areas of incomplete coverage before the next is applied.

9.1.13 Once the final coating has hardened fully, a coat Wykamol Renovation Plaster (the subject of Product Sheet 5 of this Certificate) is applied to protect it from damage in service. Alternatively, a suitable sand-cement or sand-lime-cement replastering specification may be used, but the performance of such alternative replastering specifications is outside the scope of this Certificate.

9.1.14 Under no circumstances must gypsum-based products be used in direct contact with HydraDRY.

9.2 Workmanship

Practicability of installation was assessed by the BBA, on the basis of the Certificate holder's information and a visit to a site in progress. To achieve the performance described in this Certificate, installation of the system must be carried out by the damp proof contractor or their agent.

9.3 Maintenance and repair

As the system is confined within the wall and has suitable durability, maintenance is not required.

10 Manufacture

10.1 The production processes for the system 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 system 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 system is supplied in 20 kg paper sacks or 20 kg paper bags in a polypropylene bucket. Each container carries a label bearing the system 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 system must be stored in dry conditions.

ANNEX A – SUPPLEMENTARY INFORMATION

Supporting information in this Annex is relevant to the system 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 system 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 by Garek Assured (Certificate 0711/1104/116G).

Bibliography

BS 8102 : 2022 *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

1 This Certificate:

- relates only to the system 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 system 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 system or any other product
- the right of the Certificate holder to manufacture, supply, install, maintain or market the system
- actual installations of the system, including their nature, design, methods, performance, workmanship and maintenance
- any works and constructions in which the system is installed, including their nature, design, methods, performance, workmanship and maintenance
- any loss or damage, including personal injury, howsoever caused by the system, 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 system which is contained or referred to in this Certificate is the minimum required to be met when the system 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.