

### XAIS-PTS Product Assessment Certificate

Product Acceptance Scheme in accordance with Manual for Contract Documents for Highway Works, Specification for Highway Works (MCHW SHW) Volume 1 Sub-Clause 104.15 and 104.16

**HOLCIM UK Limited**

Bardon Hill  
Coalville  
Leicestershire  
LE67 1TL  
Telephone: 07860 503581  
Email: philip.sabin@holcim.co.uk

**XAIS-PTS Ltd**

Britannia House Unit 1 Rough Hey Road  
Grimsargh, Preston  
PR2 5AR

UK Approved Body (UKAB)

Product Area 23 Road Construction Products

Product Name: Superpatch Pro AC10mm 100/150 BS EN 13108-1

Product Family: Cold lay reinstatement and patch repair material

Certificate Reference: PA946 007



XAIS-PTS Ltd has awarded this Product Assessment Certificate to the Company named above for the products described herein. These product(s) have been assessed by XAIS-PTS Ltd in line with the XAIS-PTS PAS certification scheme as being fit for their intended use provided, they are manufactured, installed, and used as set out in this Certificate.

The issue of this Certificate under Specialist Group XAIS-PTSSG 946 Local Repairs, which sets out Guidelines and Criteria for the assessment, has been authorised by the XAIS-PTS Technical Supervisory Panel and granted by XAIS-PTS Limited.

This XAIS-PTS Certificate is issued under XAIS-PTS accreditation to Iso/IEC 17065 (UKAS accredited Certification Body No 6478). Clauses marked \* are additional information outside the scope of accreditation.

Readers must check the validity and latest issue number of this XAIS-PTS Certificate by referring to the XAIS-PTS website or contacting XAIS-PTS directly. The Certificate should be read in full as it may be misleading to read clauses in isolation.

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

On behalf of XAIS-PTS Ltd  
Signature



R Edwards Managing Director

Date First Issued: 19.11.25

Certificate Valid until: 18.11.28

This Product Assessment Certificate is issued by XAIS-PTS Ltd under XAIS-PTS Product Acceptance Scheme (XAIS-PTSPAS), in accordance with MCHW SHW Sub-Clause 104.15 and 104.16, supported by XAIS-PTS Technical Supervisory Panel (XAIS-PTSTSP) which includes representation from National Highways (NH), Association of Directors of Environment, Economy Planning and Transport (ADEPT), Road Surface Treatments Association (RSTA), Mineral Products Association (MPA), HAUC (UK) SROH Working Group, HAUC (UK) SROH Innovations Working Group and Transport Scotland.

Sub-clause 104.16 (e) requires that *“The scheme must have a technical supervisory panel that provides technical oversight on the operation of the scheme and formally consents to the issue of assessment and certification requirements of the specialist groups developing the assessment and certification requirements. This panel must include a balanced representation of key end users, recognized industry experts and those responsible for the highways on which such products will be used or installed”*.

XAIS-PTSPAS Product Assessment Certificates are each subject to a review every three years, with annual interim surveillance.

## 1. PRODUCT DESCRIPTION

A 10mm permanent cold lay asphalt for emergency pothole repairs and local surface defects up to 1m<sup>2</sup>

## 2. PRODUCT APPLICATIONS

Local repairs in accordance with MCHW SHW Volume 1 Clause 946, amended July 2021.

## 3. REQUIREMENTS

- 3.1 Product to be manufactured only by the Certificate Holder in line with its internal procedures and processes covered under Factory Production Control Certificate No 0086 CPR 749082 and Quality Management System (QMS) meeting the requirements of BS EN ISO 9001: 2015 covered under certificate No FM 96927.
- 3.2 Product to be manufactured using only the raw materials and the formulations authorised by the Certificate Holder.
- 3.3 Product to be installed only by competent installers experienced with this type of product.

## 4. KEY FACTORS ASSESSED

- Asphalt Concrete classification to BS EN 13108-1: 2006 + Corrigendum
- Factory Production Control (FPC) and Quality Management System (QMS) Audits
- Current BSI QMS accreditation to BS EN ISO 9001: 2015 Certificate Number FM 96927 and recent audit
- BSI Certificate of Conformity of the Factory Production Control 0086 CPR 749082 in respect of BS EN 13108 – Bituminous Mixtures. Material Specifications; BS EN 13108-1 Asphalt Concrete and recent audit
- Installation Method Statement (IMS) for manufacture and product installation
- Installation Methodology
- Review of supporting documents
- Design and Development of Products and Services compliance with BS EN ISO 9001: 2015
- MCHW SHW Volume 1 Clause 946, amended July 2021

## 5. TECHNICAL DATA

Technical data comprising laboratory test results for cores extracted from trial section, in accordance with the requirements of MCHW SHW Clause 946:

- Indirect Tensile Stiffness Modulus (ITSM) at 20 °C (ITSM) (MPa), in accordance with BS EN 12697-26:2004 Annex C
- Resistance to permanent deformation - Wheel Tracking Test in accordance with BS EN 12697-22: 2020 + A1: 2023, small device

## 5. TECHNICAL DATA cont.

- Procedure B, Category Wheel tracking slope @ 45 °C (mm/10<sup>3</sup> cycles)
- Surface macrotexture depth > 0.9mm, measured in accordance with BS EN 13036-1:2010
- Skid resistance measured by Pendulum Test PTV > 60, in accordance with BS EN 13036-4:2011

## 6. TECHNICAL SPECIFICATION

The Superpatch Pro is a cold lay reinstatement and patch repair material. Its composition is AC10mm 100/150 BS EN 13108-1 with a minimum of 95% recycled asphalt planings.

Superpatch Pro formulation comprises recycled asphalt planings in accordance with BS EN 13108-8:2016, paving grade bitumen in accordance with BS EN 12591:2009 and a proprietary polymeric binder.

Performance criteria	Result	CI 946 Requirement
Stiffness at 20 °C (ITSM) (MPa)	1609	≥ 1000
Wheel tracking slope @ 45 °C (mm/10 <sup>3</sup> cycles)	0.31	< 1
Initial surface macrotexture (mm)	1.6	≥ 0.9
Wet skid resistance value (SRV)	74	≥ 60

Material Composition and Limits			
Sieve mm	Target % Passing	Specification limits (%)	BS EN 13108-1
14	100	100	100
10	100	98 – 100	90 - 100
6.3	71	67 - 80	-
2.0	41	34 - 46	10 - 60
0.063	11.0	10.0 – 12.0	2.0 – 12.0
Binder Content %	6.6	6.0 - 7.0	3.0 – 8.0

## 7. TEST RESULTS

Available on request of the Overseeing Organisation from the Certificate Holder, comprising the verification and ongoing validation processes.

## 8. DESIGN PROCESS BS EN ISO 9001: 2015 SECTION 8.3

HOLCIM's product development internal processes were documented from the initial Research & Development study, subsequent QC testing through to the transition to live product status and production which formed part of the assessment process.

Sites where the products were applied were inspected by XAIS-PTS Ltd to assess the visual condition of Superpatch Pro and the details are presented in XAIS-PTS Technical Report.

The visual condition of the inspected sites in service was good, with no visible signs of deterioration.

## 9. MANUFACTURE

- 9.1 Material is produced in accordance with HOLCIM procedures and processes under Factory Production Control Certificate No 0086 CPR 749082.
- 9.2 The Quality Management System (QMS) of the manufacturer has been assessed and certified as meeting the requirements of BS EN ISO 9001: 2015 by BSI (Certificate FM 96927).

## 10. DELIVERY AND SITE HANDLING

The product is delivered in 25Kg weatherproof bags. The product packaging contains the product name, aggregate size, weight, storage conditions, shelf life and QR code for installation instructions.

- 10.1 Each bag is marked with a batch number which is linked to the production date.  
The weatherproof bags are delivered and should be stored in a dry, ventilated area, in which case the shelf life is up to 12 months.
- 10.2 Material Technical and Safety Datasheets are available from [www.holcim.co.uk](http://www.holcim.co.uk).

## 11. INSTALLATION

Installation of Superpatch Pro shall be carried out in accordance with the Certificate Holder's instructions and the requirements stated in the installation Guide accessible via the QR code on each bag:

- The edges of the repair shall be saw-cut or mechanically removed to form a rectangular or rounded shape in sound surfacing at a distance of at least 0.25m beyond the defective area.
- For repairs that extend into the binder course and/or base these lower layers may be removed by the use of a mechanical breaker. An offset stepped detail for the binder and base layers shall be used to ensure that vertical joints do not pass through more than one layer at the same point.
- All existing material within the saw-cut perimeter of the repair area shall be removed and the base and sides of the cavity thoroughly cleansed of all loose material and moisture to provide clean and dry surfaces throughout.
- The opening shall have vertical straight edges and extend for the full depth of surface course.
- The faces of all cut edges against which the Superpatch Pro material is to be laid to form joints, shall be treated with either \*hot bituminous binder, hot elastomeric polymer-modified bituminous binder or a cold applied thixotropic bituminous compound of similar bitumen or polymer-modified bitumen grade.
- Repair should commence at the edges and progress inwards with particular care for full compaction especially in the vicinity of the vertical joint faces.
- Apply Superpatch Pro from the bag in layers no greater than 40mm to enable uniform and complete compaction. The minimum compacted layer thickness shall be 15mm.
- Loosely spread each layer uniformly into the defect or opening, leveling using a shovel, spazzle or rake ensuring the top layer has a 15/25mm surcharge to offset the compaction.
- Wet the face of the compacting equipment to stop material sticking and 'picking up'.
- The repair material must be compacted using hand tampers (lower layers), vibrating plates and/or pedestrian rollers as appropriate for the size of the repair. The corners of the repair are the most vulnerable to distress and particular care must be taken to achieve full compaction in these areas.
- For best results apply a \*joint sealer or \*overbanding to the finished surface in accordance with manufacturer's instructions.

An audit of the IMS was carried out to assess the installation method as part of the initial assessment process. This will be reviewed at ongoing surveillance and reassessment visits.

## 12. INSTALLATION PERSONNEL

Superpatch Pro shall only be installed by a competent installer experienced with this type of product, in accordance with the Certificate Holder's instructions.

## 13. CERTIFICATE VALIDITY

This certificate will remain valid in so far as the following conditions are maintained:

- Continuing compliance as described in the XAIS-PTS PAS Guidelines & Criteria document, and the associated specification and normative references
- Annual XAIS-PTS surveillance assessments to verify that the requirements for product specifications and product quality control are being maintained by the Certificate Holder
- maintained evidence of adequate performance from installation monitoring
- Three year recertification assessment
- Adherence to acceptable conduct requirements for Certificate holder.

## 14. BIBLIOGRAPHY (correct at time of initial certificate issue):

BS EN ISO/IEC 17065:2012 Conformity assessment – Requirements for bodies certifying products, processes, and services

BS EN ISO/IEC 17067:2013 Conformity assessment – fundamentals of product certification and guidelines for product certification schemes

BS EN ISO 17025:2017 General requirements for the competence of testing and calibration laboratories

BS EN ISO/IEC 9001:2015 Quality Management System Requirements

Manual of Contract Documents for Highways Works Volume 1 Specification for Highway Works, 2021

BS EN 12591: 2009 Bitumen and bituminous binders – Specifications for paving grade bitumens

BS EN 13043: 2002 Aggregates for bituminous mixtures and surface treatments for roads, airfields and other trafficked areas

BS EN 13108-1:2008 Bituminous mixtures. Material specifications - Asphalt Concrete

BS EN 13108-8:2016 Bituminous mixtures. Material specifications - Reclaimed asphalt

XAIS-PTS SG946 Guidelines and Criteria Requirements - Local Repairs, Issue 15 October 2024.



## 15. CONDITIONS OF CERTIFICATION

1. This Certificate:
  - relates only to the product/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
  - valid only in 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 XAIS-PTS Ltd.
  - XAIS-PTS Product Assessment forms part of the Product Acceptance Scheme as described in MCHW SHW Volume 1 Clause 104.16 and shall be submitted by the Contractor/Certificate Holder to the Overseeing Organisation for Approval.
2. Publications, documents, specifications, legislation, regulations, standards, and the like referenced in this Certificate are those that were current and/or deemed relevant by XAIS-PTS Ltd at the date of issue or reissue of this Certificate.
3. This Certificate will remain valid for an unlimited period, subject to annual surveillance and a 3-year review to revalidate that the product/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 XAIS-PTS Ltd
  - continue to be checked as and when deemed appropriate by XAIS-PTS Ltd under arrangements that it will determine
  - are reviewed by XAIS-PTS Ltd as and when it is considered appropriate.
  - remain in accordance with the requirements of XAIS-PTSPAS. Additional review shall be carried out as necessary should Specification's / Standard's change to ensure compliance.
  - remain in accordance with XAIS-PTS Terms of Business.
4. XAIS-PTS Ltd has used due skill, care, and diligence in preparing this Certificate, but no warranty is provided.
5. In issuing this Certificate, XAIS-PTS Ltd 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/system or any other product/system
  - the right of the Certificate Holder to manufacture, supply, install, maintain or market the product/system
  - individual installations of the product/system, including their nature, design, methods, performance, workmanship, and maintenance
  - any works and constructions in which the product/system is installed, including their nature, design, methods, performance, workmanship, and maintenance
  - any loss or damage, including personal injury, howsoever caused by the product/system, including its manufacture, supply, installation, use, maintenance, and removal
6. Any information relating to the manufacture, supply, installation, use, maintenance, and removal of this product/system which is contained or referred to in this Certificate is the minimum required to be met when the product/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.