

HAPAS

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HAPAS Certificate

01/H060

Product Sheet 1 Issue 4

INSTARMAC PERMANENT COLD LAY SURFACING MATERIALS

ULTRACRETE INSTANT ROAD REPAIR 10 MM

This Product Sheet⁽¹⁾ is issued by the British Board of Agrément (BBA). The Highways Authorities Product Approval Scheme (HAPAS) is supported by National Highways (NH) (acting on behalf of the Overseeing Organisations of the Department for Transport; Transport Scotland; the Welsh Government; and the Department for Infrastructure, Northern Ireland), the Association of Directors of Environment, Economy, Planning and Transport (ADEPT), the Local Government Technical Advisers Group and industry bodies.

(1) Hereinafter referred to as 'Certificate'.

This Certificate relates to Ultracrete Instant Road Repair⁽¹⁾ 10 mm, a bituminous, cold lay surfacing material for use as a bituminous permanent cold-lay surfacing material (PCSM) in any position in footways, footpaths, and cycle tracks and as a permanent cold-lay surface course (PCSC) on Type 3 and 4 carriageways, in accordance with the *Guidelines Document for the Assessment and Certification of Permanent Cold-Lay Surfacing Material for Reinstatement of Openings in Highways*.

(1) Ultracrete Instant Road Repair is a registered trademark.



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 complying with the requirements of the BBA HAPAS Certification Scheme according to the assessments set out in this Certificate.

On behalf of the British Board of Agrément

Date of Fourth issue: 19 June 2024

Originally certificated on 22 March 2002

A handwritten signature in black ink, appearing to read 'Hardy Giesler'.

Hardy Giesler
Chief Executive Officer

This BBA HAPAS Certificate is issued under the BBA's accreditation to ISO/IEC 17065 (UKAS accredited Certification Body Number 0113).

Clauses marked † are additional information outside the scope of accreditation.

Readers MUST check the validity and latest issue number of this BBA HAPAS Certificate by 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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1 Product Description

1.1 The Certificate holder specifies the product under assessment, Ultracrete Instant Road Repair 10 mm, as a bituminous, cold lay surfacing material for use as a bituminous PCSM in any position in footways, footpaths and cycle tracks and as a PCSC on Type 3 and 4 carriageways as defined in the *Specification for the Reinstatement of Openings in Highways* (SROH), 4th Edition, May 2020.

1.2 Ultracrete Instant Road Repair 10 mm comprises graded gritstone, coarse aggregate, fines to BS EN 13043 : 2002, and Instarmac Z binder, a paving grade bitumen to BS EN 12591 : 2009 modified with polymers and chemical additives.

† 1.3 The Certificate holder recommends Ultracrete SCJ Seal and Tack, a spray-applied sealant for priming and sealing surfaces prior to installation, for use with the product, but this has not been assessed by the BBA and is outside the scope of this Certificate.

2 Requirements

Requirements for the product are outlined in the BBA HAPAS Certification Scheme and Technical Specifications Documents, and have been established from the following specification documents:

- New Roads and Street Works Act 1991 : *Specification for the Reinstatement of Openings in Highways* (SROH), *Code of Practice*, 4th Edition, May 2020.

3 Summary of Product Assessment

The product was assessed on the basis of the following characteristics in accordance with HAPAS requirements.

3.1 Air voids content⁽¹⁾ — carriageway and footway

Table 1 Air voids content (%) characteristics

Product assessed	Assessment method	Requirement	Outcome
Ultracrete Instant Road Repair 10 mm	BS EN 12697-8 : 2003, Procedure C	10% maximum void content for carriageway use	Pass

(1) Measurements recorded on cores removed and tested at six months.

The assessment showed that the product complies with HAPAS requirements for this characteristic.

3.2 Elastic stiffness⁽¹⁾

Table 2 Elastic stiffness characteristics

Product assessed	Assessment method	Requirement	Outcome
Ultracrete Instant Road Repair 10 mm	BS EN 12697-26 : 2004, ANNEX C for PCSC and PCBC only for type 3 and 4 roads	3800 MPa minimum for 50 pen equivalence	Pass

(1) Measurements recorded on cores removed and tested at six months.

The assessment showed that the product complies with HAPAS requirements for this characteristic.

3.3 Resistance to permanent deformation

Table 3 Resistance to permanent deformation characteristics

Product assessed	Assessment method	Requirement	Outcome
Ultracrete Instant Road Repair 10 mm	BS DD 226 : 1996 at 30 °C	<20,000 microstrain for 3600 load applications	Pass

The assessment showed that the product complies with HAPAS requirements for this characteristic.

3.4 Durability

The results of two-years road performance trials and a survey of users indicate that the product can be used as a PCSM, in any position, in all reinstatements in footways, footpaths and cycle tracks, and as a PCSC in all reinstatements in Type 3 and 4 carriageways, in accordance with the SROH.

4 Summary of Process Assessment

Manufacturing process and quality control	Complies with HAPAS requirements
Delivery and site handling	Complies with HAPAS requirements
Installation	Complies with HAPAS requirements

4.1 Manufacture

4.1.1 The BBA has undertaken the following tasks for the assessment of product manufacture and has established that the manufacture complies with BBA HAPAS Certification Scheme requirements:

- the BBA has recorded and evaluated the manufacturer's documentation of the methods adopted for quality control procedures and product testing against HAPAS requirements
- the BBA has assessed the quality control operated over batches of incoming materials and formulations against HAPAS Requirements
- the BBA has evaluated the process for management of non-conforming work
- the BBA has audited the production process and verified that it is in accordance with the documented process
- the BBA has checked that equipment has been properly tested and calibrated.

4.1.2 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.

† 4.1.3 The management system of the manufacturer has been assessed and registered as meeting the requirements of BS EN ISO 9001 : 2015 by NQA (Certificate 6987).

4.2 Delivery and site handling

† 4.2.1 The Certificate holder stated that the product is delivered to site in pre-packed, ready-to-use, 25 kg foil bags or plastic tubs. The product packaging is stamped with the product name and aggregate size, weight, storage information, handling and usage instructions and Health and Safety information. In addition, there is a batch number for traceability to the date of production.

4.2.2 To achieve the performance described in this Certificate, delivery and site handling must be performed in accordance with the Certificate holder's instructions and this Certificate.

4.2.3 Ultracrete Instant Road Repair 10 mm must be stored in cool, well-ventilated, dry conditions, protected from frost and high temperatures.

4.3 Installation

4.3.1 The Certificate holder's instructions for installation of the product were confirmed as meeting the BBA HAPAS Certification Scheme requirements.

4.3.2 To achieve the performance described in this Certificate, the product must be installed in accordance with the Certificate holder's instructions, this Certificate and the relevant requirements of the SROH, by a competent installer experienced with this type of product.

† 4.3.3 The Certificate holder's instructions advise the following:

4.3.4 All surfaces must be clean and free from loose material, oil, grease, standing water and any other contamination.

4.3.5 The substrate and vertical edges must be spray-coated with Ultracrete SCJ Seal and Tack and prepared in accordance with any additional relevant requirements of the SROH.

4.3.6 Sufficient Ultracrete Instant Road Repair 10 mm must be placed in the opening, allowing a 50% surcharge of material to allow for compaction.

4.3.7 The material is compacted to the surrounding level using a suitable compactor/roller in accordance with the Certificate holder's instructions and the SROH Section S10 and Appendix A8.

4.3.8 To achieve the performance described in this Certificate, installation of the product must be carried out by operatives familiar with this type of product.

† 4.4 Maintenance

The Certificate holder advises that any damage should be repaired, but the product is not subject to any routine maintenance requirements.

5 Fulfilment of Requirements

5.1 The conclusion of this BBA assessment is that Ultracrete Instant Road Repair 10 mm, when used in accordance with the provisions of this Certificate, complies with the BBA HAPAS Certification Scheme requirements.

5.2 In order for the product to continue to meet Scheme requirements, it must be installed, used and maintained as per the Certificate holder's instructions and as detailed in the Certificate.

6 Validity of Certificate

Continuing validity of this Certificate is dependent on the following factors:

- continuing compliance with product or process requirements, as described in the HAPAS Scheme document, and the specification documents referred to therein
- ongoing BBA surveillance of factory production control, to verify that the specifications and quality control being operated by the manufacturer are being maintained
- formal triennial Review of the Certificate, and Reissue for required technical or non-technical updates
- compliance with ongoing Certificate obligations by the Certificate holder and manufacturer(s).

†7 Additional Regulations

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 for classifying and labelling the product under the *GB CLP Regulations* and the *CLP Regulation (EC) No 1272/2008 - Classification and Labelling and Packaging of Substances and Mixtures*. Users must refer to the relevant Safety Data Sheet(s). Material Safety Data Sheets and COSHH risk assessments for the works should be deposited with the purchaser and be maintained on site.

8 Bibliography

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

BS EN 12697-8 : 2003 *Bituminous mixtures — Test methods for hot mix asphalt — Determination of void characteristics of bituminous specimens*

BS EN 12697-26 : 2004 *Bituminous mixtures. Test methods for hot mix asphalt. Stiffness*

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

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

BS DD 226 : 1996 *Method for determining resistance to permanent deformation of bituminous mixtures subject to unconfined dynamic loading*

BBA HAPAS Guidelines Document for the Assessment and Certification of Permanent Cold-lay Surfacing Material for Reinstatement of Openings in Highways, September 2010

New Roads and Street Works Act 1991 : Specification for the Reinstatement of Openings in Highways, Code of Practice, (SROH) (Fourth edition), May 2020

9 Conditions of Certification

9.1 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
- 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.

9.2 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.

9.3 This Certificate will remain valid for an unlimited period provided 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 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.

9.4 The BBA has used due skill, care and diligence in preparing this Certificate, but no warranty is provided.

9.5 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/system or any other product/system
- the right of the Certificate holder to manufacture, supply, install, maintain or market the product/system
- actual 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
- any claims by the manufacturer relating to UKCA marking and CE marking.

9.6 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.