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Agrément Certificate
16/5288
Product Sheet 2 Issue 3

ADDAGRIP RESIN BOUND DECORATIVE SURFACING

ADDASET NON UVR

This Agrément Certificate Product Sheet(1) relates to Addaset Non UVR, a resin bound aggregate surface course, for use on new or maintenance pavement construction, in landscaping schemes, domestic driveways, patios, tree pits, pedestrian areas, lightly trafficked carparks, low speed access roads and other lightly trafficked areas.

(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 Third issue: 8 December 2025
Originally certified on 20 January 2016

Hardy Giesler
Chief Executive Officer

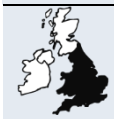
This BBA Agrément Certificate is issued under the BBA's Inspection Body accreditation to ISO/IEC 17020. Sections marked with † are not issued under accreditation.
The BBA is a UKAS accredited Inspection Body (No. 4345), Certification Body (No. 0113) and Testing Laboratory (No. 0357).
Readers MUST check 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.

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

Having assessed the key factors, the opinion of the BBA is that Addaset Non UVR, if installed, used and maintained in accordance with this Certificate, can satisfy or contribute to satisfying the relevant requirements of the following Building Regulations:



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

Requirement:	**H3(2)**	**Rainwater drainage**
Comment:		The product can contribute to satisfying this Requirement. See section 3 of this Certificate.
Requirement:	**M1**	**Access to and use of buildings other than dwellings (Volume 2)**
Requirement:	**M2**	**Access to extensions to buildings other than dwellings**
Requirement:	**M4(1)**	**Visitable dwellings**
Requirement:	**M4(2)**	**Accessible and adaptable dwellings**
Requirement:	**M4(3)**	**Wheelchair user dwellings**
Comment:		The product can contribute to satisfying these Requirements. See section 1 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)

Regulation:	**8(1)(2)**	**Fitness and durability of materials and workmanship**
Comment:		The product is acceptable. See sections 8 and 9 of this Certificate.
Regulation:	**9**	**Building standards – construction**
Standard:	2.12	Fire and rescue service access
Comment:		The product will contribute to satisfying this Standard, with reference to clauses 2.12.0(1)(2), 2.12.2(1)(2) and 2.12.3(1)(2). See section 1 of this Certificate.
Standard:	3.6	Surface water drainage
Comment:		The product will contribute to satisfying this Standard, with reference to clauses 3.6.2(1)(2) and 3.6.6(1)(2). See section 3 of this Certificate.
Standard:	4.1	Access to buildings
Comment:		The product will contribute to satisfying this Standard, with reference to clause 4.1.4(1)(2). See section 4 of this Certificate.
Standard:	7.1(a)	Statement of sustainability
Comment:		The product can contribute to satisfying the relevant requirements of Regulation 9, Standards 1 to 6, and therefore will contribute to a construction meeting at least a bronze level of sustainability as defined in this Standard.
Regulation:	**12**	**Building standards – conversion**
Comment:		All comments given for the product 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)

Regulation:	**23(1)(a)(i)**	**Fitness of materials and workmanship**
Comment:	**(ii)(iii)(b)(i)**	The product is acceptable. See sections 8 and 9 of this Certificate.
Regulation:	**37**	**Facilities and access for the Fire and Rescue Service**
Regulation:	**79**	**Drainage systems**
Regulation:	**91**	**Access and use**
Regulation:	**92**	**Access to extensions**
Comment:		The product will contribute to satisfying these Regulations. See section 1 of this Certificate.

Additional Information

NHBC Standards 2025

In the opinion of the BBA, Addaset Non UVR, 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 10.2 *Drives, paths and landscaping*.

The opinion of the BBA does not amount to any endorsement or approval by NHBC and does not in any way guarantee that NHBC will approve such product / system as compliant with the NHBC Technical Requirements and Standards.

Fulfilment of Requirements

The BBA has judged Addaset Non UVR to be satisfactory for use as described in this Certificate. The product has been assessed as resin bound aggregate surface course, for new or maintenance pavement construction, in landscaping schemes, domestic driveways, patios, tree pits, pedestrian areas, lightly trafficked carparks, low speed access roads and other lightly trafficked areas.

ASSESSMENT

Product description and intended use

The Certificate holder provided the following description for the product under assessment. Addaset Non UVR consists of:

- a cold-applied polyurethane binder
- fine and coarse aggregates (3, 6 or 10 mm nominal size aggregates).

Ancillary Items

The Certificate holder recommends 0.3 to 0.6 mm glass grit or aluminium oxide FEPA 30, 36 or 46, broadcast onto surfaces where additional skid/slip resistance is be required, but these materials have not been assessed by the BBA and are outside the scope of this Certificate.

Applications

The product can be applied to a bituminous or concrete substrate provided the underlying layers of the pavement are stable and have sufficient load-spreading capabilities to support the imposed loading of the surfacing during installation and in service.

Product assessment – key factors

The product 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

Data were assessed for the following characteristics.

1.1 Strength and stability

1.1.1 The result of a resistance to scuffing test is given in Table 1 and for the result of a resistance to permanent deformation test is given in Table 2. The results of tensile adhesion tests are given in Table 3.

Table 1 Resistance to scuffing

Product assessed	Assessment method	Requirement	Result
Addaset Non UVR	Scuffing at 45° to TRL Report 176 : 1997, Appendix G, Erosion Index	< 5	0

Table 2 Resistance to permanent deformation

Product assessed	Assessment method	Requirement	Result
Addaset Non UVR	WTS_{AIR} to BS EN 12697-22 : 2003 at 60°	Value achieved	0.0061 mm·(1000 cycles)$^{-1}$

Table 3 Tensile adhesion

Product assessed	Assessment method	Requirement	Result
Addaset Non UVR	Tensile adhesion to TRL Report 176 : 1997, Appendix J	Value achieved	
	On asphalt		0.28 N·mm^{-2}
	On concrete		0.53 N·mm^{-2}

1.1.2 On the basis of data assessed, the product has satisfactory adhesion and resistance to the loads associated with the vehicular and pedestrian traffic conditions for which it is designed.

2 Safety in case of fire

Not applicable.

3 Hygiene, health and the environment

Data were assessed for the following characteristics:

3.1 Water permeability

3.1.1 Results of water permeability tests are given in Table 4.

Table 4 Permeability

Product assessed	Assessment method	Requirement	Result(1)
Addaset Non UVR Malt Brown 6 mm	Permeability (10^{-3}·m·s) to BS EN 12697-19 : 2020	Value achieved	
	Vertical		0.83
	Horizontal		0.40

(1) Mean of two results. Tests were carried out on 100 mm diameter cores.

3.1.2 On the basis of data assessed, water will drain through the surface course into the pavement substrate, thereby reducing or eliminating surface ponding.

3.1.3 The vertical and horizontal flow rates are affected by the aggregate size used in the mix.

4 Safety and accessibility in use

Data were assessed for the following characteristics.

4.1 Skid resistance

4.1.1 The result of a skid resistance test is given in Table 5.

Table 5 Initial skid resistance

Product assessed	Assessment method	Requirement	Result
Addaset Non UVR, Malt brown 6 mm	Initial skid resistance to TRL Report 176 : 1997	Value achieved	44

4.1.2 On the basis of data assessed, the product has satisfactory initial skid resistance.

4.2 Surface Texture

4.2.1 The result of an initial surface texture depth test is given in Table 6.

Table 6 Initial texture depth

Product assessed	Assessment method	Requirement	Result
Addaset Non UVR, Malt brown 6 mm	Initial surface texture depth(1) (mm) to BS EN 13036-1 : 2010	Value achieved	1.06 mm

4.2.2 On the basis of data assessed, the system has sufficient surface texture for the intended application.

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 Specific test data were assessed as given in Table 7.

Table 7 Retained surface texture depth

Product assessed	Assessment method	Requirement	Result
Addaset Non UVR, Malt brown 6 mm	Retained surface texture depth(1) (mm) to BS EN 13036-1 : 2010	Value achieved	0.9 mm

8.2.1 A visual inspection was made of existing sites, which confirmed satisfactory performance in service.

8.3 Service life

8.3.1 Under normal service conditions, the product will retain its integrity and have a service life in excess of a traditional asphalt surfacing provided it is designed, installed and maintained in accordance with this Certificate and the Certificate holder's instructions.

8.3.2 The product has good resistance to most chemicals likely to be split on road surfaces or parking areas, such as diesel, petrol, hydraulic fluid, antifreeze and battery acid. However, any spillages must be removed as soon as possible to avoid staining or potential contamination due to the porous nature of the surface.

PROCESS ASSESSMENT

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

9 Design, installation, workmanship and maintenance

9.1 Design

9.1.1 The design process was assessed by the BBA, and the following requirements apply in order to satisfy the performance specified in this Certificate.

9.1.2 Addaset Non UVR is designed incorporating a blend of a 3, 6 or 10 mm aggregate, in a range of colours. The choice of aggregate type will depend on site-specific details, including location and contractual requirements for polished stone value (PSV), texture depth, colour, porosity and any other properties. The Certificate holder can advise on a suitable specification for a specific application, but such advice is outside the scope of this Certificate.

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 the agreed BBA Method Statement and this Certificate.

9.2.3 Ambient and pavement surface temperatures, along with relative humidity, should be recorded at the start and, if the weather is variable, during the installation process. Installation should not proceed if:

- the relative humidity is greater than 80%
- the surface temperature is less than 3°C above the dew point of the measured air temperature and relative humidity
- the operating temperature and road surface temperature and/or air temperature is outside the range 5 to 25°C.

9.2.4 The Certificate holder must be consulted on the structural design and suitability of the pavement structure, but such advice is outside the scope of this Certificate. The base and binder course layers must take into account the anticipated rainfall, traffic loading, ground conditions and the key factors assessed and identified in this Certificate.

9.2.5 Rates of spread will be dictated by the required installed depths and the aggregate size. The minimum nominal installation depth for the 3 mm aggregate is 12 mm, for the 6 mm aggregate is 16 mm, for the 10 mm aggregate is 22 mm, and for tree pits is 30 mm.

9.2.6 All imperfections in the substrate not acceptable to the Installer must be reinstated with a material approved by the Purchaser in consultation with the Installer. The performance of such materials is outside the scope of this Certificate.

9.2.7 The substrate must be clean, dry and free from ice, frost, loose aggregate, oil, grease, road salt and other loose matter which may impair the adhesion of the product.

9.2.8 The binder components are supplied in pre-weighed packs. Parts A and B are mixed together using a slow-speed, high-torque drill and paddle for a minimum of 45 seconds, until a homogeneous mix is achieved.

9.2.9 The mixed resin must then be added immediately to the pre-mixed aggregate and placed in a mechanical mixer and mixed for 1 to 2 minutes, or until homogeneous.

9.2.10 The mixed material is immediately spread evenly across the surface at the required depth using a spazzle, rake and screed box.

9.2.11 The surface is finished with a hand trowel or lightweight powered finishing tool.

9.2.12 Glass grit or aluminium oxide may be applied to the surface at this stage at a spread rate of 50 to 80 $g \cdot m^2$.

9.2.13 The product must be allowed to cure. During the curing period, no disturbance or trafficking is permitted.

9.3 Workmanship

Practicability of installation was assessed by the BBA, on the basis of the Certificate holder's information and a site visit to witness an installation in progress. To achieve the performance described in this Certificate, installation of the product must be carried out by individuals trained and approved by the Certificate holder.

9.4 Maintenance and repair

9.4.1 Ongoing satisfactory performance of the product in use requires that it is suitably maintained. The guidance provided by the Certificate holder was assessed by the BBA and found to be appropriate and adequate.

9.4.2 The following requirements apply in order to satisfy the performance assessed in this Certificate:

9.4.2.1 Any damaged areas must be cut back to firmly bound material and replaced with material mixed and installed in accordance with this Certificate.

9.4.2.2 In order to maintain the permeability of the surface it must be cleaned periodically using a pressure washer or a sweeper fitted with water jetting and vacuuming equipment.

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.

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 resin is delivered to site in 4.5 - 8 kg packs containing the correct proportions of each component bearing the product and Certificate holder's names, batch number, use by date, colour, mixing and application details on each label, health and safety information and weight of contents in kilograms.

11.2 The aggregate can be supplied in 6.25, 12.5 or 25 kg bags. The aggregate bags supplied will be placed on pallets with a maximum weight of 1200 kg.

† ANNEX A – SUPPLEMENTARY INFORMATION

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 by Forefront Certification Ltd (Certificate 4421-QMS).

Bibliography

BS EN 12697-19 : 2020 *Bituminous mixtures – Test methods – Permeability of specimen*

BS EN 12697-22 : 2003 *Bituminous mixtures – Test methods for hot mix asphalt – Wheel tracking*

BS EN 13036-1 : 2010 *Road and airfield surface characteristics – Test methods – Measurement of pavement surface macrotexture depth using a volumetric patch technique*

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

TRL Report 176 : 1997 *Laboratory tests on high friction surfaces for highways*

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
- 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
- and any matter arising out of or in connection with it or its subject matter (including non-contractual disputes or claims) is governed by and construed in accordance with the law of England and Wales.
- the courts of England and Wales shall have exclusive jurisdiction to settle any matter arising out of or in connection with this Certificate or its subject matter (including non-contractual disputes or claims).

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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