

HAPAS

Supporting Innovation in Highway Products and Services

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For over 50 years, we've been helping the construction and manufacturing industries **build confidence** in the solutions designed, created and implemented **throughout the entire supply chain.**

The BBA develops **long-term partnerships** with clients and associations to enable **continued growth in both the UK and Global marketplaces**, while remaining reassuringly impartial.

As a for-profit organisation Limited by Guarantee, the BBA looks **to reinvest in the industry as a whole** for the benefit of all stakeholders.



What we do



Product Approval Certification



BBA Agrément Certification



Reproduction Certification



HAPAS



Testing



Audit and Inspection



Management Systems



UKCA Marking

To date



6,000+
CERTIFICATES ISSUED



72+
COUNTRIES REPRESENTED
by CLIENT BASE



170+
BBA PEOPLE



50+
YEARS IN BUSINESS



400+
TESTING METHODOLOGIES



8,000+
ANNUAL INSPECTIONS AND ASSESSMENTS

What we'll cover;

- What is HAPAS?
- An overview of the BBA HAPAS team
- The importance of having a product like HAPAS
- Sub-groups and product sectors covered by HAPAS
- Supporting product innovation
- Q&A



Supporting Innovation of Highways Products and Services through HAPAS

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Driving Innovation and Maintaining Quality in Highways



The Highways Authorities Product Approval (HAPAS) Scheme was setup
with a clear objective:

*to develop national approval assessment, testing and certification for
innovative products, materials and systems for use in highways and
related areas.*

And 23 years later, we're still doing that.

- Introduced in 1995 In collaboration with Highways England, The County Surveyors Society (now ADEPT) & the BBA
- AIM: To develop national approval & Certification processes for innovative products, materials and systems used in highways and related areas.
- Evolved over time to offer increased levels of quality assurance, wider coverage of product sectors and expansion into workmanship coverage.

To date:

Issued in excess of **180 certificates** and **350 individual product sheets**, covering **over 25 product sector variations** in the Highways space.



HAPAS – Growth through Collaboration



The BBA partners with industry, to enable industry innovation.

Through collaboration, standards and quality assurance in industry grows.

We do this:

- Through direct engagement, or through specialist groups formed where there are number of certificates under one material group.
- Where standards are limited, industry engagement allows the development of guidelines which can be used for assessment of products and systems in that sector.
- Through working with industry organisations who hold quality, sustainability and innovation at the heart of their growth.



HAPAS Certification – Why is it necessary?



Product Certification aims to mitigate risk.

HAPAS does that through:

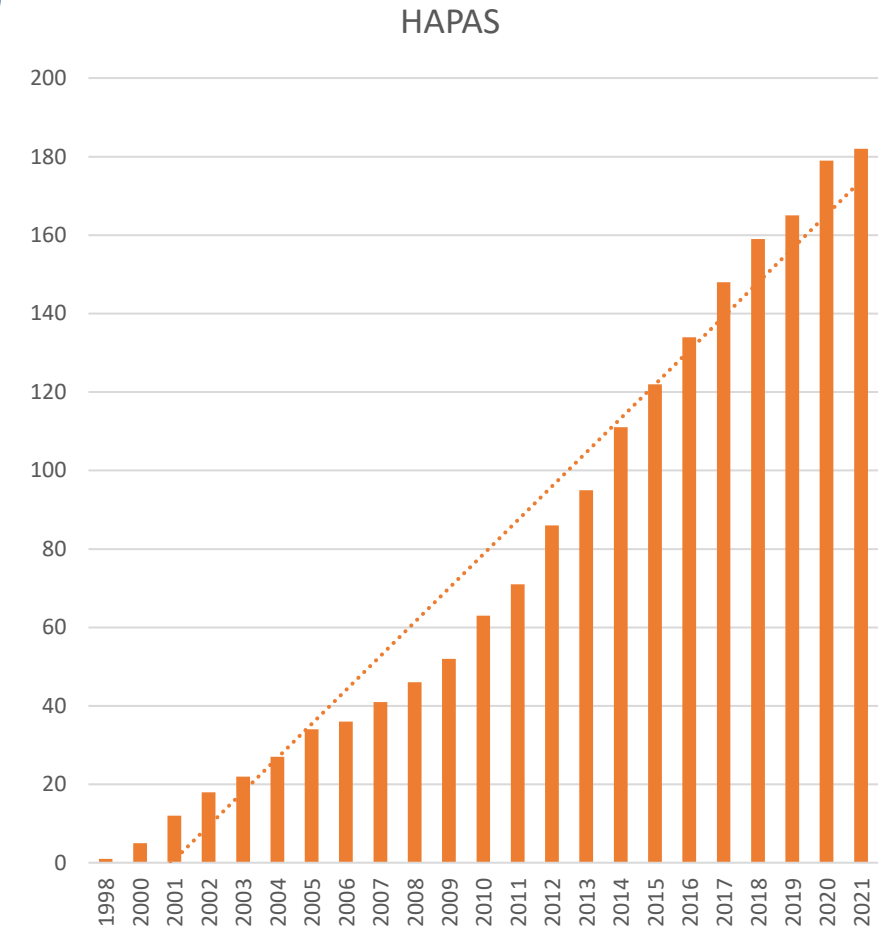
- Providing the end user with the confidence that the product/system is *fit for purpose*
- Directing a higher level of *quality, through accountability and risk mitigation*, compared to those that do not have a 3rd party independent certification.
- *Verifying product performance where specification is limited*
- Provides a way for certificate holders to *differentiate themselves* in the marketplace, especially when trying to enter a market for the first time.

Often specified through a PAS requirement in Specification of Highway Works.



Of the over 200 product sectors covered by the BBA, HAPAS-alone covers 29 material sub-groups.

- High Friction Surface
- Crack Sealing System - Inlaid, Fill and Overband, and Overbanding
- Thin Surfacing
- Modified Bitumen - Emulsions
- Bridge Deck Waterproofing
- Permanent Cold-lay Material
- Anti-corrosive Metallic Coating and Paint
- Surface Water System
- Underground Drainage System
- Retaining Wall
- Coupling
- Structured Wall Pipe and Fitting
- Culvert
- Gabion (earthworks)
- Grouted Macadam
- Patch Repair Product
- Pervious Pavement
- Asphalt Surface Treatment
- Permanent Cold-lay Wearing Course
- Bituminous Surface Course
- Footway / Footpath Surface Treatment
- Manhole Reinstatement System
- Kerbing
- Key Hole Reinstatement Bonding Compound
- Soil Reinforcement
- Pipe for Drainage and Service Duct
- Reinforced Earth Structure
- Sewerage System
- Fin Drain



Supporting Product Innovation: How we help



23
years

Longest-running HAPAS
certificate
Colas

21
years

Longest-running HAPAS certificate
for Thin Surfacing
Tarmac

2021

BBA selected as Authorised
Body for RSMA Road Trial

2021

BBA certifies pot-hole
reinstatement technology using
non-standard innovation.

2021

BBA supports to achieve Net
Zero through certification of
warm mix asphalt compliance &
rubber inclusion in asphalt
(Tarmac / Hanson)

And
beyond

Development of 8 new product
areas
Continuous improvement
New partnership development

Clients we work with



Quality is in the making, and the doing. The BBA takes a holistic view on product certification, for the *entire* lifecycle of that product, and *all who work with it*.





The High Friction Scheme (HFS) was set up to cater to **installers of products and services** applicable to BBA HAPAS certification, which specifically looks at Highway Products & Systems.

HFS assessment & Certification undertaken in six stages:

- ▶ Assessment of applicant's data
- ▶ Assessment of factory production control
- ▶ Laboratory testing (and optional tests)
- ▶ System installation trial
- ▶ System performance trial (if applicable)
- ▶ Certification

38

number of installers
already certified through
the HFS scheme

-  Over 50% of those who work at the BBA are Engineers, Scientists, Auditors, Assessors and Technicians, representing expertise that covers over 200 product sectors.
-  Members of the HAPAS certification, audit, inspection and test team actively involved with industry bodies, specialist groups and initiatives such as HAUC UK, LCRIG, ADEPT, IAT, CIHT, including the publication of industry papers .
-  The BBA team's capability means that we assist in assessing innovative products and systems, especially where no standards exist, but also maintain a level of quality assurance thereafter.
-  HAPAS assessors are highly-trained industry experts, with years of experience in the production and installation of Highways products/systems.





Questions?
