

## Bardon Smapave® product information



Bardon Smapave® is a BBA / HAPAS approved thin surface course material available in 14mm and 10mm nominal size aggregates and has been specifically designed for use in heavily trafficked high speed urban highways according to the requirements set out in our BBA certificate for this product. This product is provided as a surface course system and is only installed by Bardon approved contractors to ensure its optimum performance.

- Long term durability and rut resistance
- Economic alternative to traditional materials
- Improved resistance to scuffing
- Noise and spray reduction.

### Layers

Surface course.

### Applications

1. Heavily trafficked urban high speed roads (14mm).
2. Heavily trafficked urban low speed roads (10mm).
3. Roundabouts (10mm).

### Key performance properties

#### 14mm

Test parameter	Performance level	Requirement
Texture depth	3	
Untrafficked (mm)		≥ 1.5
After 2 years of trafficking (mm)		≥ 1.0
Wheel tracking	3	
Rate (mean/max individual) (mm/hr)		≤ 5.0/≤ 7.5
Rut depth (mean/max individual) (mm)		≤ 7.0/≤ 10.5

#### 10mm

Test parameter	Performance level	Requirement
Texture depth	2	
Untrafficked (mm)		≥ 1.2
After 2 years of trafficking (mm)		≥ 0.8
Wheel tracking	3	
Rate (mean/max individual) (mm/hr)		≤ 5.0/≤ 7.5
Rut depth (mean/max individual) (mm)		≤ 7.0/≤ 10.5



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## Sustainability and local sourcing

**Energy use:** Aggregate Industries is at the forefront of sustainability and has committed to reduce carbon emissions by 20% by 2012 based on a 2008 base line.

**Recyclable:** 100% of the product can be recycled thus reducing the amount of material that is sent to landfill.

**Manufacturing location:** Produced in the UK, under strict environmental and social legislation.

**Responsible sourcing:** Aggregate Industries is the first company in the world to achieve a BES 6001:2008 Responsible Sourcing Certificate from BRE Global. Products are assessed on:

- quality management
- environmental management
- health and safety management
- greenhouse gas emissions
- minimising raw material usage
- labour practice
- biodiversity
- community engagement.

## Binder

Smapave BBA/HAPAS, according to the requirements of our accreditation.

## Skid resistance

Bardon Smapave (BBA / HAPAS) 14mm and 10mm gives 1.5mm and 1.2mm initial texture depth respectively.

## Manufacturing standard

All Aggregate Industries' products are manufactured in accordance with ISO 9001 and Highway Sector Scheme 14 with factory compliance to ISO 14001.

## Policies

Aggregate Industries' policies on the environment and community, health and safety and sustainable solutions for different product applications can be viewed on our website [www.aggregate.com](http://www.aggregate.com)

## Health and safety: COSHH data

Full COSHH data on Bardon Asphalt products is available on request. Please call the technical helpline on 0845 600 0860.

## Technical support

Detailed guidance and assistance with the preparation of specification and use of Bardon Asphalt products is available through the sales office. A free technical service is also available.

**For further information, please refer to Bardon Asphalt technical services on 0845 600 0860 or email: [techhelp@aggregate.com](mailto:techhelp@aggregate.com)**

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