

## Bardon SMAtex<sup>®</sup> product information



The Bardon SMAtex<sup>®</sup> range of asphalt surface course products is based on the application and experience of European based stone mastic asphalt technology.

The product range has been formulated to give the common benefits of:

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

### The SMAtex range includes:

**Bardon SMAtex CARRIAGEWAY** has been intentionally designed outside of the regime for BBA/HAPAS to allow a wider range of application and performance enhancement particularly where high levels of retained textures is not considered important such as for lower speed heavy use highways. It is available in 6mm, 10mm, 14mm and 20mm aggregate sizes to cover layer thicknesses of between 15mm - 80mm.

### Bardon SMAtex (INDUSTRIAL)

is designed to provide a most durable asphalt surfacing for industrial type applications. This product has a lower texture depth than either of the highway products specifically to improve resistance to scuffing from items such as stacking cradles, container forklifts etc.

**Bardon FORPAVE** has been developed for use in areas where the risks of fuel spillage and leakage are high and there is a need to improve resistance to degradation caused by oil and fuel spillage.

Independent assessment of Bardon Forpave has shown that deterioration caused by fuels such as diesel and petrol when compared to HRA WC and other asphalts with non-modified binders is much improved.

### Layers

Surface and combined surface/binder course layer.

### Applications

1. Heavily trafficked urban high speed roads (14mm).
2. Heavily trafficked urban low speed roads (10mm).
3. Residential low speed roads (6mm and 10mm).
4. Roundabouts (10mm).
5. Industrial and commercial areas, particularly where heavy loading is an issue (10mm).
6. Combined surface and binder course layers (14mm and 20mm).



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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

SMAtex Carriageway and Industrial, 50 Pen+ fibre / PMB / 125+ fibre for hand lay.

Forpave, Fuel resisting binder.

## Skid resistance

SMAtex products will deliver good levels of skid resistance appropriate for both high (14mm and 20mm) and low speed roads (10mm and 6mm) with appropriate aggregate selection.

## 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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