

## SuperSafepave®



A thin surfacing asphalt material that can be laid 20mm thick incorporating polymer modified binder technology. The material is installed by pavers that incorporate an integral spray bar for applying a polymer modified bond-coat immediately before the asphalt layer.

The benefits of this system are:

- Substrate cracks sealed by effective bond coat application
- Un-trafficked bond coat
- Enhanced spray reduction characteristics
- Noise reduction
- speed of application about three times quicker than for other thin surfacings
- When combined with the bond coat this system can provide an impermeable layer
- SuperSafepave can overlay the existing surface, and regulate rutted or deteriorated surfaces
- Can be trafficked more quickly than conventional thin surfacings
- Excellent friction qualities.

### Key performance properties

Test parameter	Performance level <sup>(2)</sup>	Requirement
Texture depth	3	
Untrafficked (mm)		≥1.5
After 2 years of trafficking (mm)		≥1.0
Wheel tracking	3	
Rate (mean/max individual) (mm h <sup>-1</sup> )		≤5.0/≤7.5
Rut depth (mean/max individual) (mm)		≤7.0/≤10.5
Test	Method	Mean result
Noise: RSI <sub>1/1</sub> [dB(A)]	Statistical pass-by method. Guidelines document appendix A.8	-9.57

### Layer

SuperSafepave is a thin road surfacing laid at a nominal thicknesses between 20mm and 25mm for SuperSafepave 10mm, and 25mm and 40mm for SuperSafepave 14mm, covering the Classification Types B and C respectively, as defined in Table 1 of the Guidelines Document for the Assessment and Certification of Thin Surfacing Systems for Highways.

### Applications

- Motorways
- Trunk roads
- Other primary road networks
- Airports runways.



## Sustainability and local sourcing

**Energy use:** Aggregate Industries is at the forefront of sustainability and has committed to reduce carbon emissions by 20% by 2016 based on a 2012 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.

## Aggregate

SuperSafepave is available using a range of standard aggregates. Any special requirements for aggregate properties can be accommodated through consultation.

## Binder

SuperSafepave uses a polymer-modified binder or a straight run binder dependent on the application requirements.

## Installation

Production and installation of SuperSafepave, by Aggregate Industries only. The special process requires the use of our dedicated paving machines with integrated spray bars for bond coat application.

## 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 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 asphalt products is available through the sales office. A free technical service is also available.

**For further information, please refer to our asphalt technical services on 0845 600 0860.**

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