

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 ⁽²⁾	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 ⁻¹)		≤5.0/≤7.5
Rut depth (mean/max individual) (mm)		≤7.0/≤10.5
Test	Method	Mean result
Noise: RSI _L [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

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.

Bardon Hill, Coalville
Leicestershire LE67 1TL

www.aggregate.com

