

## Supercolour® Exposed



Supercolour Exposed® is a range of durable, coloured asphalt surface courses where the colour is provided by exposing the natural colour of the coarse aggregate used in the mix.

- Supercolour Exposed comprises a durable asphalt mix that uses a suitably coloured aggregate as a component in its mix recipe
- Aesthetically pleasing colour that is less brash than conventional pigmented asphalts
- Surface can be refreshed to rejuvenate the natural colour of the aggregate
- Different bituminous binders can be used within the mix including 40/60 Pen Grade Bitumen and a range of Polymer Modified Bitumens enabling Supercolour Exposed to be used to satisfy a range of traffic scenarios
- Based on conventional asphalt mixes the engineer can select and approve it using standard protocols
- The material is laid using conventional plant and equipment
- Colour does not require the expensive cleaning process demanded by conventional, pigmented materials
- In a range of colours:  
Gold, Red, Green and Gravel
- CE marked.

Once laid, and after a period to allow the lighter oils within the binder to evaporate away, the material is shot-blasted using the High Velocity Impact Method (HVIM) perfected by Pavestech Ltd to remove the surface bitumen and thus expose the colourful aggregate within the mix.

Supercolour Exposed is typically manufactured using a 10mm aggregate as this provides the best combination of performance and aesthetics to suit most applications.

### Colour swatches



1. Gold
2. Gravel
3. Green
4. Red



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## Applications

- Urban and rural roads
- Bus lanes
- Commercial schemes
- Prestige schemes
- Car parks
- Cycle lanes
- Pedestrian areas.

## Layers

Supercolour Exposed is generally mixed as a 10mm material as this provides the optimum balance of aesthetics and performance.

The material can be laid at depths between 30mm and 40mm with an ideal of 35mm.

## Aggregates

Four different aggregate types are used in the standard range of materials. Aggregates are selected on their visual appearance as well as their physical and mechanical properties.

The physical and mechanical properties of the constituent aggregates can affect the range of applications that some mixes can be used for.

## Binder

As Supercolour Exposed is based upon a standard asphalt mix the type of binder can be selected to suit the application. The 'softest' grade available is standard 40/60 grade but a range of Polymer Modified Binders can be considered to suit any special trafficking requirements.

## Shot-blasting

The High Velocity Impact Method (HVIM) allows a great deal of control over the blasting process and means that the integrity of the material is not damaged as can sometimes happen with the more aggressive Hydro-Texturing process.

The HVIM shot blasting methodology requires that the initial 'tenderness' of the material has gone. This usually requires that the shot-blasting takes place some four to six weeks after the material has been laid. The process must take place on a dry and cool day to ensure that the optimum effect is achieved. The blasting process itself is fully enclosed and requires no special health and safety or environmental procedures.

## Skid resistance

The standard surface course mix will typically provide a texture depth of between 0.8mm and 1.0mm.



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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 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 at Aggregate Industries locations in England and Scotland under strict environmental and social legislation. To avoid disappointment check availability as soon as possible.

**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.

Supercolour Exposed is certified as EXCELLENT under the BES 6001 standard.

## Samples

Samples of the product can be provided however it is stressed that pigmentation will vary over time and that the samples provided are approximations of the finished appearance.

## 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 0844 557 8396.

## CE Marking

For more information on CE marking please visit: [www.aggregate.com/cemarking](http://www.aggregate.com/cemarking)

## 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 0844 557 8396.**

Bardon Hill, Coalville  
Leicestershire LE67 1TL

[www.aggregate.com](http://www.aggregate.com)

