



Decorative Products



HITEX
International Group
Road Surface Innovation



EcoStone

Resin Bonded Aggregate Surfacing

EcoStone resin-bonded surfacing simulates the appearance of decorative loose gravel without any of the associated maintenance costs. It is available in a range of aggregate finishes, including non-slip, high friction grades.

Product specification and technical data



EcoStone

EcoStone is a two-component thermosetting binder system where loose decorative blended aggregates are permanently bonded to the surface using Hitex BBA/HAPAS Approved EcoGrip binder system. It is a maintenance-free, non-porous surfacing that is increasingly popular for use in hard landscaping projects where a good surface friction is required. EcoStone is available in a wide range of aggregate blends to suit individual requirements.

Why EcoStone

- User-friendly low odour, low toxicity product
- Anti-skid surface properties (dependent on aggregate selected)
- Rapid application and curing times
- Continuous surface eliminates trip hazards, with no growth of weeds/vegetation
- Resistant to oil/solvent spillages
- Hard-wearing, durable surface
- Low energy, fast installation – can be laid directly onto suitable existing surface

Typical uses

EcoStone is ideal for many applications, including:

- Footpaths
- Urban landscaped areas
- Courtyards
- Parks
- Housing developments
- Walkway for factories and car parks

Compliances/Approvals

The management system of Hitex Traffic Safety Ltd has been assessed and registered as meeting the requirements of BS EN ISO 9001 and BS EN ISO 14001.

EcoStone utilises Hitex EcoGrip BBA/HAPAS Approved binder system.

Colour

EcoStone binder is a light golden colour. The natural colour of the aggregate dictates the overall colour of the finished surface. EcoStone resin may be pigmented if required.

The versatility of the product means that a wide range of aggregates are compatible with the system. For details of our full range, please request our Decorative Surfaces Brochure.

Application method

EcoStone is a resin-bonded system, and is not suitable for resin-bound surfacing. Please consult the relevant Installation Method Statement.

Technical information

Table 1 Physical properties

Specific gravity - Part A	1.15 ± 0.05
Specific gravity - Part B	1.00 ± 0.05
Pot life @ 23°C	30 mins
Cure time	2-3 hours
Recommended installation temperature range	5-40 °C



Table 2 Binder

Property	Test method	Requirement
Tensile strength	Hitex method based on ISO 527-2:2012	≥ 10.5N/mm ²
Elongation	Hitex method based on ISO 527-2:2012	≥ 25%

Table 3 Aggregate

EcoStone can utilise many different aggregates blends. Individual aggregate specifications are available on request.

Table 4 Spread rates

Aggregate	Approximately 8-10kg/m ² based on a 1-3 mm stone size.
Binder	2kg/m ² on smooth substrates, more on rough or open textures.

Packaging and storage

EcoStone binder is supplied in 20kg pails, 180kg drums or 1000kg IBCs. EcoStone resin has a shelf life of 6-12 months if stored un-opened at temperatures of between 10- 30°C.

Health & safety

For further information consult the relevant Safety Data Sheet (SDS).

Disclaimer

The information contained herein is accurate to the best of our knowledge and belief as at the date issued. The information and recommendations are offered for the user's consideration and examination for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. It is the user's responsibility to satisfy itself as to the suitability of such information for its particular use and to carry out their own COSHH assessment.

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