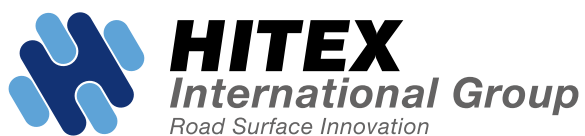


Decorative Products



EcoSet

Resin Bound Decorative Aggregate Surfacing

EcoSet resin-bound surfacing simulates the appearance of loose aggregate without any of the associated maintenance costs. The finished surface has an attractive natural appearance with a smooth and even texture.

Product specification and technical data



EcoSet is a cold-applied, two-component thermosetting modified polyurethane (PU) binder which is pre-mixed with specially blended decorative aggregates.

EcoSet surfacing utilises a user-friendly PU resin to bind and enhance the natural shades within the blended aggregate, and is available in many different blends designed to suit specific projects. EcoSet is Sustainable Urban Drainage Systems Compliant (SUDS) meaning excess water is removed in a sustainable and efficient way and making it the ideal material for decorative tree pit surrounds.

Why EcoSet?

- User-friendly odourless, non-toxic product
- Environmentally friendly
- Smooth surface eliminates trip hazards, with no growth of weeds/vegetation
- Excellent tensile & elongation characteristics
- Low energy, fast installation – can be laid directly onto suitable existing surface
- Excellent UV-resistance properties
- Resistant to oil/solvent spillages

Typical uses

EcoSet is ideal for many applications including

- pedestrian zones
- heritage areas
- pathways & footpaths
- school and hospital grounds
- car parks with light vehicular traffic
- tree pits and hard landscaping

Compliances/Approvals

The management system of Hitex Traffic Safety Ltd has been assessed and registered as meeting the requirements of BS EN ISO 9001:2008 and BS EN ISO 14001.

Sustainable Urban Drainage Systems (SUDS) Compliant.

Colour

EcoSet binder is a light golden colour. The natural colour of the aggregate dictates the overall colour of the finished surface. EcoSet 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

Please consult the relevant Installation Method Statement.

Technical data

Two different binder systems are available which offer varying levels of UV-resistance. If a yellow or brown aggregate is used, lower UV resistant MDI resin can be used in order to reduce costs. Otherwise, it is recommended that highly UV-resistant HDI resin is used to maintain the original colour of the product.

Mix ratios of the A and B components are entirely dependent on which resin system is used.

Table 1 Physical properties

Specific gravity - Part A	1.05 ± 0.05
Specific gravity - Part B	1.20 ± 0.10
Pot life @ 23° C	30 mins
Cure time	3 hours
Installation temperature range	0 - 35° C

Table 2 Binder

Property	Test method	Typical value
Tensile strength	Hitex method based on ISO 527-2:2012	≥ 3 N/mm ²
Elongation	Hitex method based on ISO 527-2:2012	≥ 100 %

Table 3 Aggregate

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

Table 4 Spread rates

EcoSet system	Approximately 37kg/m ² at a thickness of 15mm.
	Approximately 90kg/m ² at a thickness of 50mm (e.g. for a tree pit surround)

Packaging and storage

EcoSet is provided in designated pack sizes according to the end use, or alternatively in bulk 1000kg IBCs or 200kg drums.

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.

Hitex International

Cloister Way, Ellesmere Port, Cheshire, CH65 4EL

TELEPHONE +44 (0)151 355 4100 EMAIL info@hitexinternational.com

WEBSITE www.hitexinternational.com