KBI

Sustainable Porous Paving Solutions

FLEXISTONE GENERAL INFORMATION



B29/01

flexistone by KBI

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kbiuk.co.uk

FLEXISTONE: POROUS SURFACING

Flexistone is a porous surfacing solution developed by KBI UK in 2012, designed for areas used by vehicles. Its high porosity allows water and air to drain through the material in large volumes, helping to reduce standing water. The unique polyurethane binder allows the finished surface to flex gently, adjusting to different temperatures and conditions without cracking. Flexistone is highly adaptable and can be installed over various types of sub-base structure, giving designers greater flexibility. A sustainable alternative to traditional hard surfaces for vehicle use.

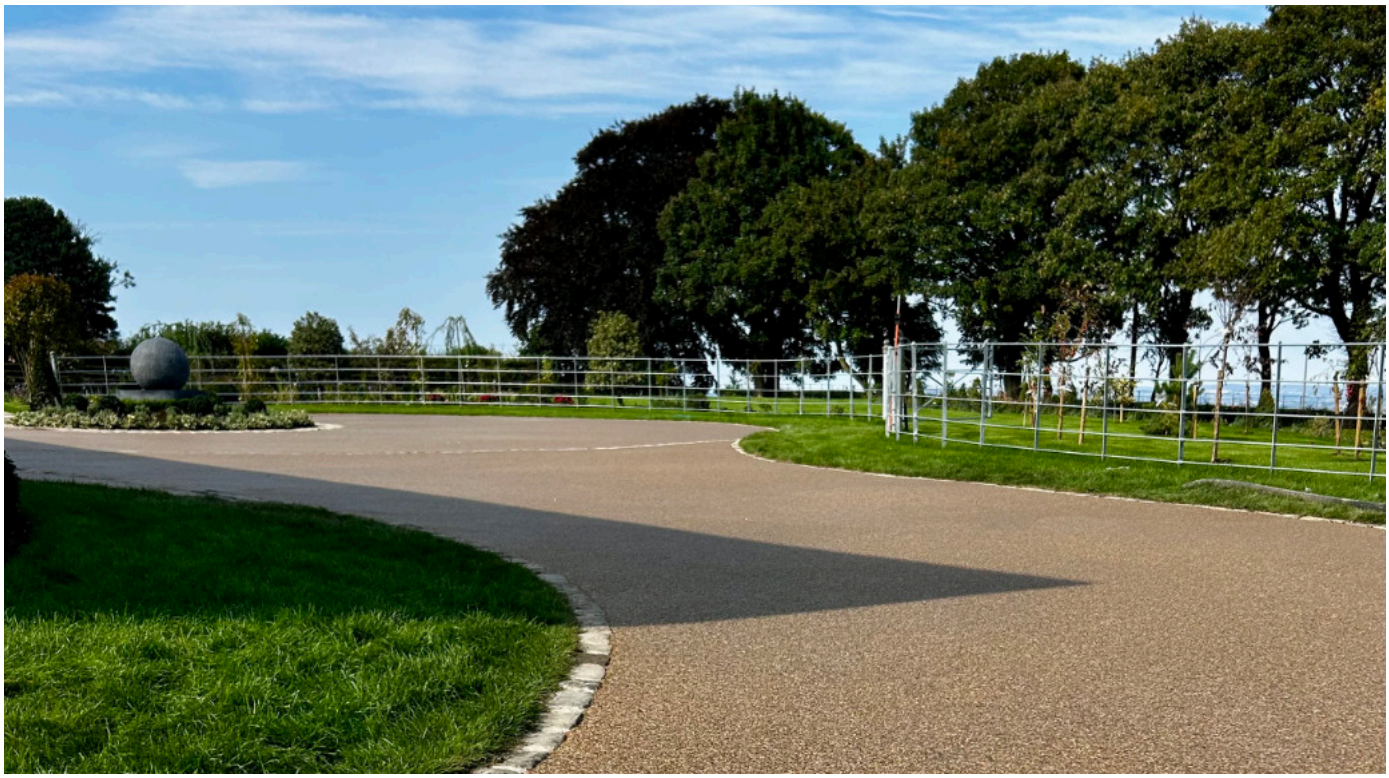


FLEXISTONE SUSTAINBILITY

Flexistone helps protect the environment by working with the natural water cycle. Rain passes through the surface and into the ground below, topping up natural aquifers and easing pressure on drainage systems during heavy downpours. Because it is installed by hand and machine there is less need for a heavy plant, while the flexible binder resists cracking in extreme temperatures, extending the surface's working life. An unlimited choice of colours also lets schemes blend into their surroundings.

KBI FLEXISTONE IS:

- Stone aggregate surfacing bound with a specialist polyurethane binder.
- Laid by hand and machine to the required depth, which is set by how the surface will be used.
- Allows large volumes of water and air to penetrate, promoting recharge into natural aquifers.
- Flexes gently and withstands extreme temperatures without cracking.
- Installed over various sub-bases.



HIGH POROSITY
Allows large volumes of water and air to pass through the surface.

DYNAMIC FLEXIBILITY
The polyurethane binder lets the surface flex gently without cracking.

TEMPERATURE RESISTANCE
Withstands extreme temperatures without cracking.

ADAPTABLE
Can be installed over a number of different bases for vehicular and pedestrian use.

VEHICLE-READY
Suits areas where vehicle access and drainage are both important such as car parks and access roads.

COLOUR CHOICE
Available in a variety of colours to suit the project and surrounding area.







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