KBI

Sustainable Porous Paving Solutions

General Information Brochure

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www.kbiuk.co.uk

flexipave

ARUN DISTRICT COUNCIL Y/167/21/DOC

SUSTAINABLE POROUS PAVING SOLUTIONS

KBI UK is a specialist supplier of sustainable porous paving solutions. The products we supply have been created and developed by us, making us one of the leading exponents of porous surfacing. Our materials are significantly different to traditional hard surfaces and resin bound solutions, and offer a number of benefits as a result of their two key features: high porosity & flexibility.

Highly porous - Allows water and air to flow through the material in high volumes.

Dynamic - The unique polyurethane binder allows the finished surfaces to gently flex, giving them the ability to adjust to different temperatures and conditions without cracking.

Adaptable - KBI products can be installed over existing hard surfaces, but can also be installed on to simple stone sub-bases without the need to lay costly engineered sub-layers.

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flexipave

by KBI

Our flagship product, **KBI Flexipave** is a mixture of loose ground rubber (derived from recycled vehicle tyres) and stone aggregate. The loose material is mixed onsite with our unique polyurethane binder and installed by hand. The combination of rubber within the material and our unique binder gives the finished surface a dynamic flexibility that would be impossible to achieve with traditional hard materials.

KBI Flexipave is installed by hand to achieve the required depth. The thickness of the finished surface depends on how the finished surface will be used, but our engineers work closely with clients to identify the best solution for the project. **Flexipave** is a product designed to promote water recharge directly into natural aquifers, but we also provide several different solutions for managing rainfall once the water has penetrated our top surface.

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KBI Flexipave is:

- Highly porous, allowing large volumes of water and air to penetrate the material.
- Able to be installed on to a number of different bases, including standard compacted stone.
- Dynamic, with the ability to gently flex and adjust to minor movement.
- Able to withstand extreme temperatures without cracking.
- Available in a variety of colours.

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