

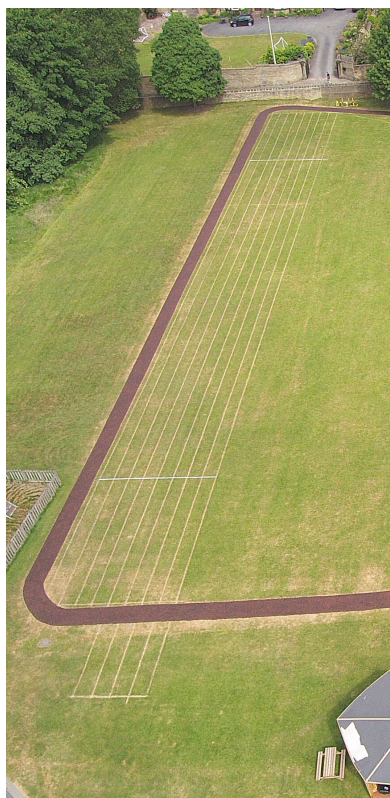


## SUDS Bond® Permeable Paving Solution



Suds-bond is composed of rubber granules, coloured aggregate and a polyurethane binder to create a surface that has excellent grip and enduring toughness. When installed with the right groundworks and a suitable base, is an entirely permeable paving solution that meets the requirements for SUDS (Sustainable Urban Drainage Solutions), hence the name.

Installation of our SUDS-Bond surfacing is carried out by skilled installers, the product is hand laid and materials are mixed on-site. The installation is usually carried out in one continuous visit. Once installed the area needs to be protected until fully cured. Curing periods vary according to climatic conditions but typically can be between 6 and 24 hours. Full strength of the surface will not be realised for 3 days after installation so for heavily used areas it is advisable to restrict the use during the first 3 days. Avoid installation during periods of heavy rain, in standing puddles of water or at temperatures below 10°C.



Once installed and fully cured the surface is considered inert and non-toxic. The surfacing uses large quantities of recycled tyres, one of the most intractable wastes known to man and therefore has excellent environmental credentials.







### Base Specification

SUDS-bond can be installed onto a number of surfaces such as tarmac, concrete, permeable stone or existing ground (subject to condition). To get the full benefit of a fully compliant system, for load bearing surfaces, we recommend a sub base specification which allows for a layer of permeable stone to a minimum depth of 100mm. Typically for park path use, the depth of SUDs is increased from 35mm to 50mm and installed directly on the existing sub structure.

### Test data

The surface has been independently tested for slip resistance and porosity. Test certificates and a copy of the full report can be requested. The test certificates are only applicable where ALL the constituents are purchased directly from Abacus or a group company and the surfacing has been supplied and installed by Abacus.

### Conclusions of tests:

All tested systems were found to comply with the requirements for water permeability and slip resistance (wet and dry). Note: there are other requirements within BS 7188 for which this system was not tested as part of this project.

### Water permeability:

Testing of the SUDS-bond system has been undertaken for the determination of water infiltration rate in accordance with EN 12616:2013 Surfaces for Sports areas – Determination of water infiltration rate. All tested systems were found to pass the minimum requirements of BS EN 14877:2013

### Slip resistance

Testing of the SUDS-bond system has been undertaken for the slip resistance properties of BS 7188 “Impact absorbing playground surfacing: Performance Requirements and Test Methods” (1998). All tested systems were found to pass the minimum requirements of BS 7188.







### Rubber granule properties

Bulky and practically indestructible, used tyres are among the most demanding of waste items today. However, the rubber used in the production of truck tyres possesses properties that are ideal for producing various synthetic surfaces for sports facilities and playgrounds. As early as 1991, our material supplier, opened a plant that pioneered the conversion of used commercial vehicle tyres into recycled rubber granules. By recycling tyres and extracting valuable secondary raw materials, the resulting product makes a significant contribution to environmental protection.

### The cost effective solution for a running track

We have found SUDS Bond to be a fantastic solution for the Daily Mile running track. The SUDS bond is highly durable and can withstand the wear of ongoing use from children. The surfacing is much more cost effective than wetpour for those with tighter budgets and is still offered in a range of colours - red and black / yellow and black / silver and black.

