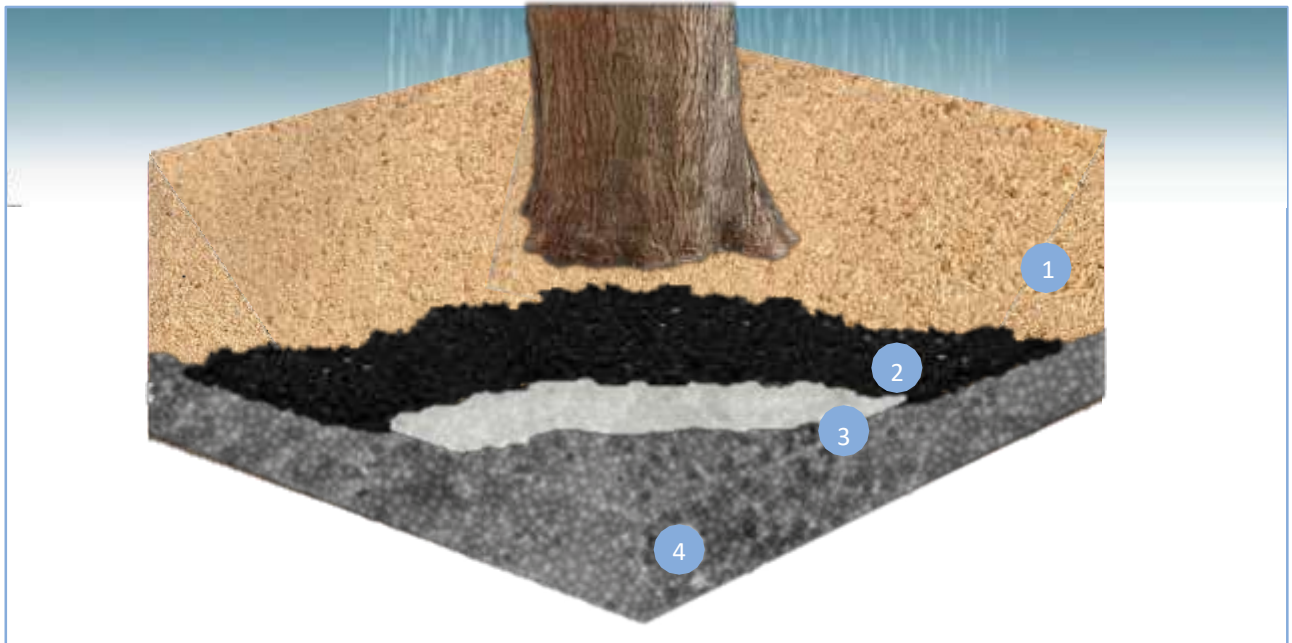


## Sudstech Permeable Paving



### Tree Pits

Sudstech is a high performance permeable paving solution that enables you to create beautifully decorative resin bound surfacing, with practical and durable qualities to match.



#### 1 & 2 – Sudstech Permeable Paving 50mm

Our top wearing surface consists of a blend of aggregates mixed with our own unique tensile resins, specially formulated to work in collaboration with our innovative flexible base of resin bound recycled tyres and aggregate used as a fully permeable system that acts independently to sub base offering a 50mm 360 degree suds compliant system. Resistant to both clogging and freeze thaw this layer can be laid extremely quickly, without falls. No additional drainage required and the area can be trafficked in under 24 hours.

#### 3 – Geo Textile Membrane

##### Tested To:

**BS 7188:1988**

**BS EN 12697-**

**19:2012**

**ASTM E303:93**

#### 4 - Prepared Granular Sub-Base 100 - 150mm (compacted type 3 aggregate with reduced or zero fines)

Laid by others type 3 granular sub-base, 4/20mm graded crushed concrete aggregate to En12620 or locally available secondary or recycled aggregates which comply with the above specification. The use of a clean angular stone also performs as an effective soakaway. Highway Agency requirements dictate a structural layer design in areas where heavy vehicles pass. The thickness of the sub base layer required is dependent on the sub base soil conditions and expected loading. If heavy clay or a silty subgrade is present (CBR>2%) then a granular capping layer or permeable geotextile may be necessary. If in doubt seek advice.

### Description

Sudstech is a high quality resin bound paving solution. The porous nature of the resin bound system means water can drain effectively through the layers eradicating standing water.

Available in a choice of colours and finishes, the design possibilities are endless and enable you to create a truly unique look.

Sudstech is suitable for use around all types of tree pits. Because of its versatile nature, the material can often be used to repair pits which have suffered damage due to root intrusion.

### Advantages

- Sudstech allows the free flow of air, water and nutrients to the tree roots through its permeable structure allowing trees to flourish.
- Fully SuDS compliant, BREEAM accredited and BRE Tested Freeze Thaw Safe
- Environmentally friendly - unique system of resin bound aggregate over recycled car tyres
- Ten year porosity guarantee - combats flash flooding. Extremely low maintenance - remains porous
- Impervious to tree root intrusion and cracking

PERMEABLE PAVING SOLUTIONS

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## Specification Advice for Sudstech Permeable Paving

Typical groundwork specifications	Pedestrian Traffic – 100mm Type 3 Aggregate Vehicle Traffic – 150mm Type 3 Aggregate
Speed of cure	24 hours
Typical construction	50mm – Sudstech Permeable Paving Geo Textile Membrane 100-150mm – Type 3 Aggregate



## Maintenance

Sudstech allows small finds/grit to agitate through the surface as the area is used. This produces a hostile environment for weeds and seedlings and ensures continual porosity. Sudstech allows expansion and contraction and is unaffected by low temperatures such as frost and ice which may otherwise cause damage during the freeze/thaw process.

## Environmental impact

For every square metre laid Sudstech recycles up to 3 tyres reducing waste. In some commercial situations the tyres saved during the installation of your Sudstech surface can be offset against your company's carbon footprint. For more information contact a member of the Sudstech team.

*This specification is based on normal good practice for flexible surfacing and does not absolve the specifier on designing a construction suitable for the expected trac and ground conditions pertaining to a givensite.*

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