



TREE PITS

Permeable Paving Solution

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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.

Sudstech permeable paving is an eco friendly SUDS-compliant (Sustainable Urban Drainage Systems) water management solution. Unlike other resin bound products, the Sudstech system utilises a recycled car tyre (SBRA) sub base eliminating delamination and clogging, ensuring unrivalled porosity of 80,000 ltrs per m2 per hour.

The slight flexibility offered by our unique sub-base allows fines,

that would usually facilitate weed growth, to agitate through the surface ensuring the system will never clog. Voids within the rubber sub base store rain fall until it can be released back into the water table. Sudstech is also tested for freeze thaw safety.

Available in a choice of colours and finishes, Sudstech offers endless possibilities and a truly unique finish.

ADVANTAGES

Patented flexible permeable base - Totally porous and clog resistant, forming a low maintenance surface paving solution

Requires no additional drainage - A highly effective soakaway that combats flash flooding

Crack free and delamination-proof - Designed to be impervious to tree root intrusion, cracking and delamination

SuDs Compliant system - The Sub-Base independent solution offers a 50mm 360 degree SuDs compliant, BBA approved, BREEAM accredited and BRE tested freeze thaw safe system

Fast installation and curing - Areas can be trafficked in under 24 hours after completion

3 - TYRES RECYCLED PER METRE²

Sudstech's unique system recycles up to 3 tyres for every square metre laid and can help offset your carbon footprint.* Contact us to find out more.

** 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 traffic and ground conditions pertaining to a given site.*



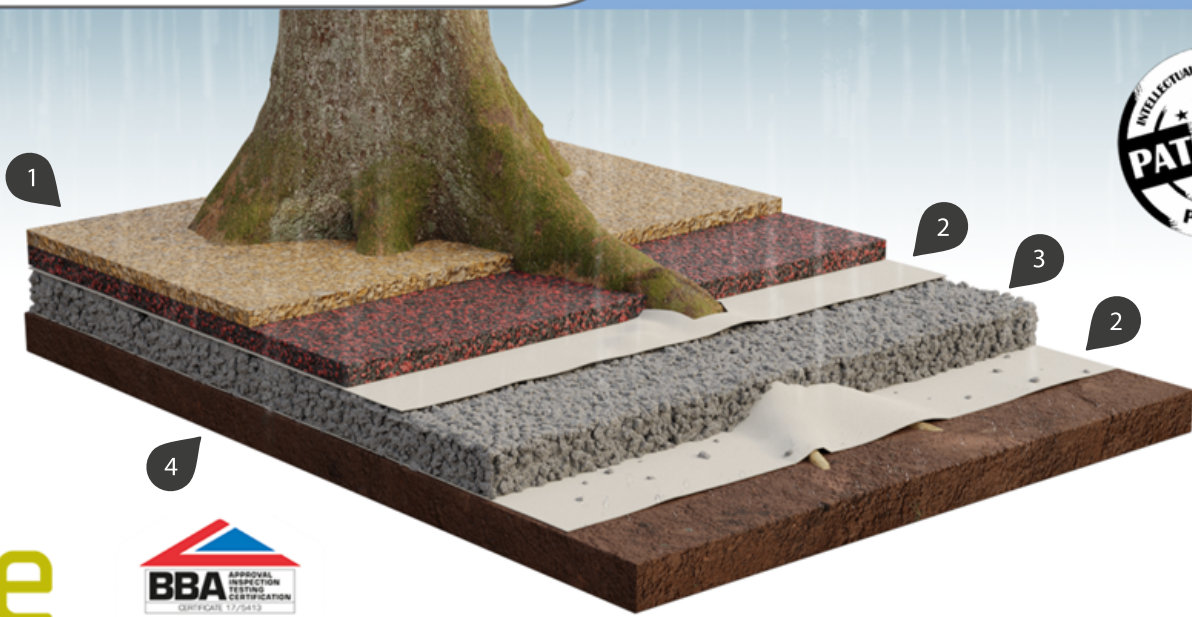
10 - YEAR POROSITY GUARANTEE

Sudstech's unique blend of recycled rubber, stone and resin allows small particles of dirt and grit to agitate through the surface during use ensuring the surface remains permeable. This allows us to offer an industry first 10 year no clog guarantee.





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1 Sudstech Permeable Paving 50mm - An innovative blend of aggregates, unique tensile resins, recycled cross-cut rubber and plastic particles.

2 Geo-Textile Membrane - Prevents upward migration of fine soil particles.

3 MOT Type 3 Sub-Base 50-100mm (Type 1X) (4-20mm)* - Clean, compacted angular stone with little to no fines.* Acts as an effective reservoir storing water until it can be absorbed back into the ground.

4 Existing ground - Sub-grade

**Sub-base laid by others. May also be substituted with locally available secondary or recycled aggregates which comply with the above description.*

SPECIFICATION ADVICE

Typical groundwork specifications

Pedestrian Traffic - 50-100mm Type 3 (Type 1X) Aggregate*
(Subject to ground conditions & weight. Please check with technical for advice.)

Speed of cure

24 hours (Weather dependant)

Typical construction

50mm - Sudstech Permeable Paving
Geo Textile Membrane
50-100mm - Type 3 (Type 1X) Aggregate required (No vehicles will drive over a tree pit)*

**Clean, Angular stone with little to no fines 4-20mm. The thickness of the sub-base layer is dependant on the sub base soil conditons and expected loading. If heavy clay or silty subgrade is present (CBR>2%) then a granular capping layer or permeable geotextile may be necessary. If in doubt seek advice.*

MAINTENANCE

Sudstech allows small fines/grit to agitate through the surface as the area is used. This produces a hostile environment for weeds and seedlings and ensures continual porosity.

Allowing expansion and contraction Sudstech is unaffected by low temperatures such as frost and ice which may otherwise cause damage during the freeze/thaw process.

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