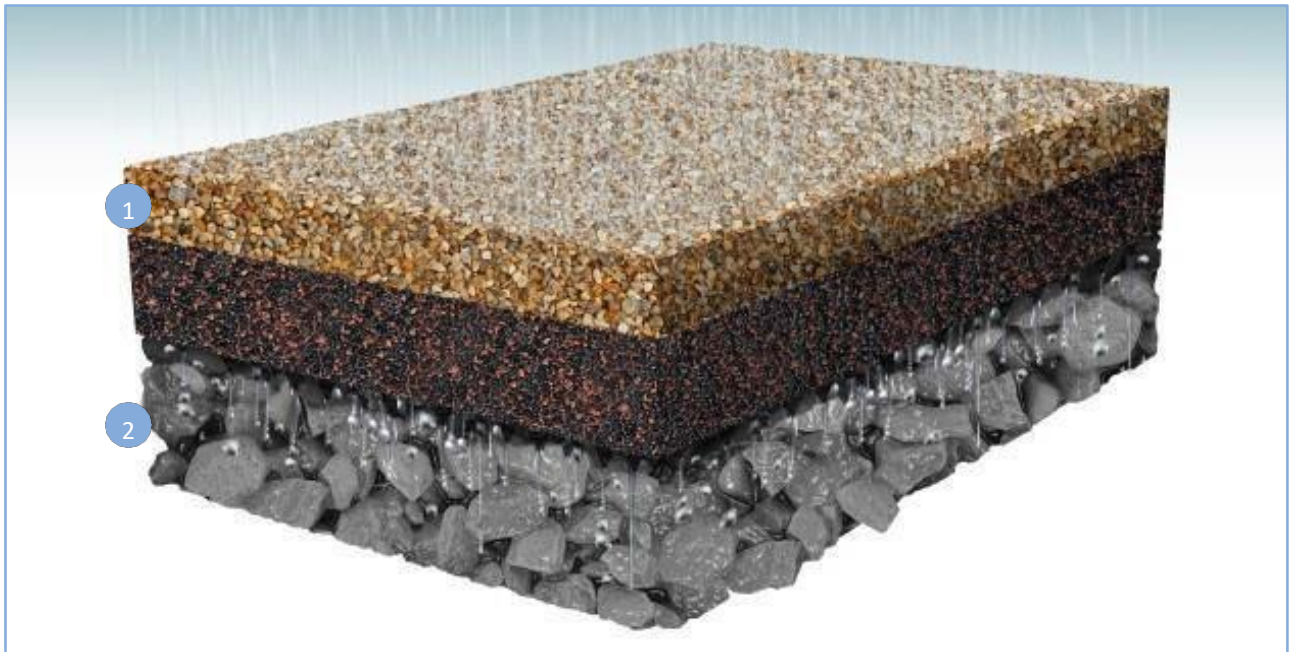


# Sudstech Permeable Paving Commercial Applications



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- 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 made up of a unique blend of recycled cross cut rubber of different densities and size as well as particles of recycled plastic to form a patented flexible permeable base. This creates 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 is required as Sudstech is a highly effective soakaway and the area can be trafficked in under 24 hours after completion of works.

2- Prepared Granular Sub-Base 150 - 200mm (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 water reservoir, storing water until it can be absorbed back into the ground. 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.

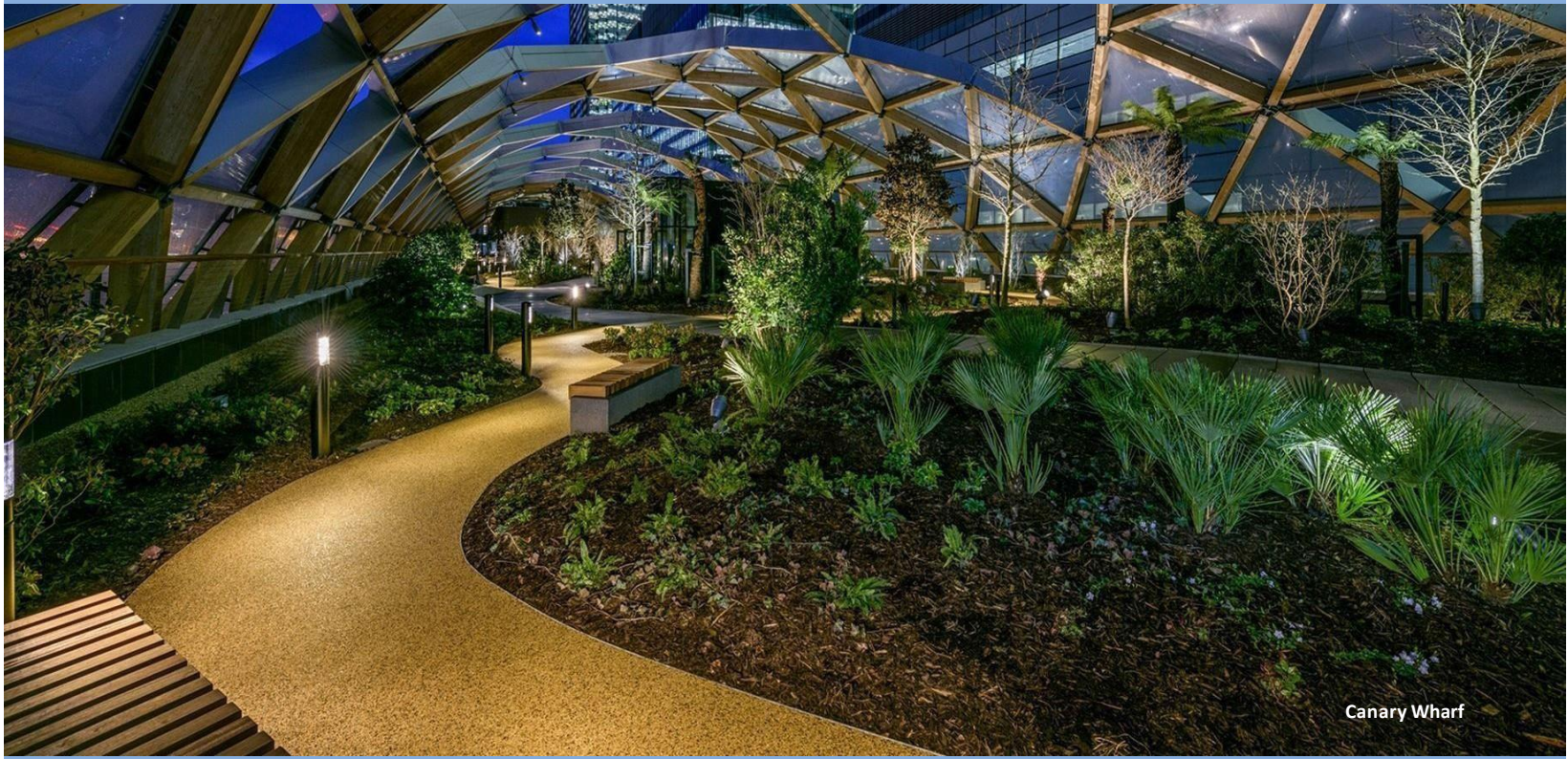
It is fully compliant with the requirements of Sustainable urban Drainage Systems (SuDS), which was introduced in 2011 to better manage water run off in urban areas.

## Advantages

- It is a totally porous, no delamination, low maintenance surface paving solution
- Fully SuDS compliant, BBA Approved, BREEAM accredited and BRE Tested Freeze Thaw Safe
- Environmentally friendly - unique engineered system of resin bound aggregate over recycled car tyres/plastics
- Ten year porosity guarantee - combats flash flooding. Extremely low maintenance - remains porous
- Designed to be impervious to tree root intrusion and cracking

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## Specification Advice for Sudstech Permeable Paving

Typical groundwork specifications	Car parks/drive ways 200mm type 3 aggregate Footpaths through urban areas 150/200mm type 3 aggregate Forest/parks 150/200mm type 3 aggregate (please seek advice)
Speed of cure	24 hours
Typical construction	50mm – Sudstech Permeable Paving 200mm – Prepared base (type 3 aggregate)



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

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