TARMAC

ULTIPOROUS

The ultimate porous asphalt for driveways and car parks

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Combining excellent drainage with long term durability, ULTIPOROUS is designed for use on driveways and car parks. It helps to eliminate the problem of surface water and can also help meet local planning requirements.

PROVEN PERFORMANCE

Using the latest porous asphalt technology and a modified binder, the open aggregate structure allows effective drainage and avoids surface water.

ENHANCED COMPLIANCE

Reduces direct surface water run-off to meet the requirements of planning regulations and the Code for Sustainable Homes.

IMPROVED SAFETY

Eliminates the problem of both standing water and ice patches that can occur in cold weather conditions.

FASTER COMPLETION

Avoids expensive additional drainage, allowing quicker project delivery and reduced disruption to clients and end users.

POROUS FOOTPATHS

Where a fast draining, all weather footpath surface is required, ULTIPOROUS is available as a 6mm porous surface course and specialist binder course.

ULTIMATE SOLUTIONS

Available in 6mm for residential driveways and 10mm for small parking areas. When combined with the Tarmac ULTIFLOW range of permeable sub-base aggregates, we can offer a complete permeable solution. Ulticolour Porous asphalt is also available with a clear binder, pigment and colour matched aggregate for bright, long lasting coloured porous surfaces.

ULTIMATE SUPPORT

At Tarmac, technical excellence comes as standard. Laying contractors are supported with our ULTIPOROUS laying guide.

To find your local Tarmac office visit: ***tarmac.com/contact***

TYPICAL APPLICATIONS

Where site conditions or planning requirements make drainage a priority, ULTIPOROUS offers the solution. It requires less groundwork and excavation than alternative rainwater management systems, helping to save time on site and reduce disruption for clients.

FOR DRIVEWAYS

- 6mm porous surface course (recommended at 30mm thickness) suitable for hand lay.
- 20mm porous binder course.

FOR FOOTPATHS

- 6mm porous surface course (recommended at 30mm thickness) suitable for hand lay.
- 20mm porous binder course.

FOR CAR PARKS

- 10mm porous surface course.
- 20mm porous binder course.
- 32mm porous binder course.

SPECIALIST BASE AGGREGATE

Tarmac's ULTIFLOW sub-base aggregate is recommended, for a complete permeable pavement solution.

TECHNICAL DATA

	Typical Air Voids	Typical Stiffness (ITSM)	Typical Water Sensitivity (ITSR)	Typical Hydraulic Conductivity
Product	BS EN 12697-8	BS EN 12697-26	BS EN 12697-12	DD229
ULTIPOROUS 6mm	16.0%	3,300MPa	85%	>5000 mm/hr
ULTIPOROUS 10mm	16.5%	1,100MPa	89%	>5000 mm/hr
ULTIPOROUS 20mm	23.0%	1,200MPa	N/R	>5000 mm/hr
ULTIPOROUS 32mm	23.0%	1,200MPa	N/R	>5000 mm/hr

COMPARATIVE RAINFALL

- Worst recorded UK rainfall: 341mm in one day (averaging 15mm/hr for 22 hrs) in Cumbria in December 2015.
- A hydraulic conductivity of 5,300mm/hr (above the 5,000mm/hr min. requirement for 6mm) would take ≈94 seconds to drain 15mm of water.
- All Tarmac porous asphalts are designed to provide a minimum hydraulic conductivity of 5,000mm/hr/m^2 using the BS DD 229 testing method and meet the requirements laid out in CIRIA 753 and SAPCA.

FCC/0323

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