

ULTIDRIVE POROUS

The ultimate porous asphalt for driveways
and small parking areas

Gravesham Borough Council



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Combining excellent drainage with long term durability, ULTIDRIVE POROUS is designed for use on driveways and small parking areas. 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.

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 ULTIDRIVE POROUS laying guide.

TYPICAL APPLICATIONS

Where site conditions or planning requirements make drainage a priority, ULTIDRIVE POROUS 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 SMALL PARKING AREAS:

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

SPECIALIST BASE AGGREGATE:

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

TECHNICAL DATA

ULTIDRIVE POROUS	Typical Air Voids	Typical Stiffness (ITSM)	Typical Water Sensitivity (ITSR)	Typical Hydraulic Conductivity
Relevant standard	BS EN 12697-8	BS EN 12697-26	BS EN 12697-12	DD229
ULTIDRIVE POROUS 6mm	16.0%	3300MPa	85%	8100mm/hr (min 5000)
ULTIDRIVE POROUS 10mm	16.5%	1100MPa	89%	9700mm/hr (min 6000)
ULTIDRIVE POROUS 20mm	23.0%	1200MPa	N/R	13000mm/hr (min 6000)

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 5300mm/hr (above the 5000mm/hr min. requirement for 6mm) would take ≈94 seconds to drain 15mm of water.
- A Hydraulic Conductivity of 11000mm/hr would take ≈44 seconds to drain 15mm of water.

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