



*ULTI*FOAM

The ultimate road recycling solution



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Where sustainability and waste management are the priority, ULTIFOAM offers the ultimate in closed-loop road reconstruction. By using proven foamed bitumen and cold paving technology ULTIFOAM reduces time, waste and energy use.

ULTIMATE WASTE MANAGEMENT

On-site closed loop manufacturing virtually eliminates site waste and minimises environmental impact.

ULTIMATE SUSTAINABILITY

Waste recycling and cold mix paving temperatures mean major reductions in energy consumption and associated carbon emissions. ULTIFOAM is a legislated and EA permitted system for encapsulating RAP with coal tar. This removes the need for costly waste disposal.

PROVEN PERFORMANCE

ULTIFOAM has a 20 year performance record. It can replace DBM50 hot mix asphalt in road base layers up to 80 MSA.

ULTIMATE CONTROL

In a highly controlled process, mix designs use primary aggregates and recycled asphalt. Our own fleet of highly mobile plant crushes, screens and produces ULTIFOAM locally, where you need it.

REDUCED COSTS

By using road arisings in sub-surface reconstruction, both transport and disposal costs can be significantly reduced.

ULTIMATE SUPPORT

At Tarmac, technical excellence comes as standard. ULTIFOAM is installed by our own expert Contracting division who evaluate each site to ensure our clients get the right solution and then deliver it to the highest industry standards.

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COMPARISON TABLE

ULTIFOAM	Conventional asphalt	Cold recycled asphalt	
		ULTIFOAM QVE	ULTIFOAM SVE
Approved by The Highways Agency	yes	yes	yes
Helps to meet sustainability and recycling targets	Dependent on recycled content	yes	yes
Content of recycled constituents	Generally up to 30%	94%	94%
Virgin aggregate content	Circa 95%	nil	nil
Bitumen Content %	4.1 - 4.7	3.0 - 3.5	3.0 - 3.5
Cement/ Lime content %	nil	2.0	2.0
Manufacturing process			
Aggregate heating	Yes - up to 200°C	No - Ambient	No - Ambient
Bitumen storage temp.	Circa 180°C	Circa 180°C	Circa 180°C
Transport			
Approximate max. time between mixing & laying	4 hours	4 hours	21 days
In situ Density - There is an approximate 8% saving in asphalt usage over conventional	Circa 2.3	Circa 2.1	Circa 2.1
Health and Safety	Risk of burns	No Risk	No Risk

APPLICATIONS

ULTIFOAM	Conventional asphalt	Cold recycled asphalt	
		ULTIFOAM QVE	ULTIFOAM SVE
Footpaths	yes	yes	yes
Cycle Tracks	yes	yes	yes
Unclassified Roads	yes	yes	yes
Haunching	yes	yes	yes
Estate Roads	yes	yes	yes
Car Parks	yes	yes	yes
Lorry Parks	yes	yes	-
Roads	yes	yes	-
Trunk Roads	yes	Yes up to 80msa	-
Storage Areas	yes	yes	-
Industrial Roads	yes	yes	-
Base	yes	yes	yes
Binder Course depending on traffic load	yes	yes	yes



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