TARMAC

ULTILAYER

The ultimate solution to reflective cracking and road surface deformation

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Specifically developed to combat reflective cracking and road surface deformation, Tarmac ULTILAYER combines a high performance Polymer Modified Binder (PMB) and selected aggregates. This makes it highly flexible, very strong and extremely durable.

ULTIMATE SPEED

Existing surface and binder courses can be replaced in a single pass, halving construction time.

ULTIMATE CONVENIENCE

Faster construction times keep busy roads moving, minimising disruption to road users.

REDUCED COST

Shorter construction time reduces programme costs, and the need for expensive geotextiles.

PROVEN DURABILITY

Proven on some of the UK's busiest and most problematic roads, including Oxford Street in London.

ENHANCED SUSTAINABILITY

Potential to reduce the depth of reconstruction and the associated volume of overall construction materials, thereby contributing to sustainability at source.

ULTIMATE SUPPORT

At Tarmac, technical excellence comes as standard. ULTILAYER is only available for installation by accredited contractors who have full access to our expert training, advice and technical support or by our own expert Contracting division. This ensures it is laid to the highest industry standards.

Reflective cracking

Road surface deformation

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

TECHNICAL DATA

Standard	Typical Design Voids	Typical Wheel Tracking		4 Point Bending - Resistance to Fatigue (Microstrain at 1,000,000 cycles)	Fracture Toughness
		WTS_{AIR}	PRD_{AIR}		
	BS EN 12697-8	BS EN 12697-22 (Proc. B at 60°C)		BS EN 12697-24	BS EN 12697-44
6mm Ultilayer-T	5.0%	0.04mm/10^3 load cycles	4.2%	-	27N/$mm^{1.5}$
10mm Ultilayer-S	3.0%	0.10mm/10^3 load cycles	6.9%	ε400	36N/$mm^{1.5}$
10mm Ultilayer-AC	4.5%	0.10mm/10^3 load cycles	6.5%	-	22N/$mm^{1.5}$
10mm SMA	3.0%	0.16mm/10^3 load cycles	9.2%	ε100	24N/$mm^{1.5}$
14mm Ultilayer-S	3.0%	0.05mm/10^3 load cycles	4.4%	-	38N/$mm^{1.5}$
20mm Ultilayer Single Layer	3.0%	0.07mm/10^3 load cycles	5.6%	ε300	33N/$mm^{1.5}$
AC 20 Dense Bin 40/60	4.5%	0.40mm/10^3 load cycles	8.0%	ε90	17N/$mm^{1.5}$

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