

Uretech® RRS[†]

Road Repair System

Uretech RRS is a high performance, road repair system specially formulated for permanent pothole repair applications. Unlike 'quick-fix' bitumen and cold lay asphalt based products which often fail shortly after installation, Uretech RRS provides a 'real' permanent fix that will outlive the surrounding road surface. Uretech RRS requires no primer and when cured, has excellent adhesion to bituminous and cementitious road surfaces.

Uretech RRS is designed for use in road repair applications to provide a permanent repair to potholes, surface defects and areas where previous repair attempts have been unsuccessful. A Kit of Uretech RRS includes fully graded, high PSV interlocking aggregates and a unique resin binder which are supplied in recyclable 20kg containers.

Uretech RRS - Pothole repair application requirements									
Length (cm)	x	Width (cm)	Depth (cm)				Area (m ²)		
			1cm	5cm	10cm	25cm			
25cm	x	25cm	1 Kit 1.40kg 0.001m ³	1 Kit 7.031kg 0.003m ³	1 Kit 14.063kg 0.006m ³	2 Kits 35.156kg 0.016m ³	0.063m²		
25cm	x	50cm	1 Kit 2.813kg 0.001m ³	1 Kit 14.063kg 0.006m ³	2 Kits 28.125kg 0.013m ³	4 Kits 70.313kg 0.031m ³	0.125m²		
50cm	x	100cm	1 Kit 11.250kg 0.005m ³	3 Kits 56.250kg 0.025m ³	6 Kits 112.500kg 0.050m ³	15 Kits 281.250kg 0.125m ³	0.500m²		
100cm	x	100cm	2 Kits 22.500kg 0.010m ³	6 Kits 112.500kg 0.050m ³	12 Kits 225.000kg 0.100m ³	29 Kits 562.500kg 0.250m ³	1.000m²		



Installation:

The sides of the repair should be cut straight and perpendicular, preferably with a Stihl saw although a jack-hammer is acceptable, and all loose debris brushed from the hole. Ideally the leading and trailing edges should be cut at 45° to the wheel-track rather than square on at right angles to it. Standing water in the pot-hole should be swept out and ideally blown out with an air line.

The minimum depth of the repair should be around 50mm. If the product is being hand compacted it should be filled and separately compacted in 50mm layers. If mechanical compaction is being used depths in excess of 100mm can be accommodated by this method.

The freshly cut edges of the hole should be primed with proprietary bitumen emulsion sealer, either poured as a liquid or sprayed as an aerosol. A more secure joint seal is achieved by over-banding the finished repair with torch-on tape and scattering liquid surface with fine sharp aggregate to provide slip resistance.

Mixed RRS material should be spread evenly within the hole and left approximately 20mm proud of the surrounding road surface. The material must then be compacted to achieve good aggregate interlock and leave the infill repair level with the surrounding road surface. Compaction can be achieved by using a tarmac tamper, wacker plate or a vibrating roller (Bowmag).

In most conditions the repair can be trafficked within as little as 10 to 20 minutes however the properties of the repair will continue to improve. Depending on the quality of the compaction and the ambient temperature (25°C - 5°C), full chemical cure will take from 1 to 2 hours.

Uretech RRS - Product specification

Coverage rate per single 20kg kit (Est)	0.011m ³ (1m ² @ 11mm)
Application temperature window	0°C to 35°C
Cure rate (Trafficable) @ 12.5°C	1 to 2 hours
Hardness (Shore D) (Cured resin only)	75
Deflection at failure	10%
Compressed cylinder break (edge)	6 (N/mm ²)
Standard Colour	Black
Component sizes	A:17.0kg / B:1.5kg / C:0.5kg / D:1.0kg



Enterprise House, Hollin Bridge Street, Blackburn BB2 4AY

Tel: +44 (0)1254 663444 Fax: +44 (0)1254 681886

Email: info@star-uretech.com www.star-uretech.com