

# Uretech® RRS<sup>†</sup> 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 <sup>2</sup> )
			1cm	5cm	10cm	25cm	
25cm	x	25cm	1 Kit	1 Kit	1 Kit	2 Kits	0.063m <sup>2</sup>
			1.406kg	7.031kg	14.063kg	35.156kg	
			0.001m <sup>3</sup>	0.003m <sup>3</sup>	0.006m <sup>3</sup>	0.016m <sup>3</sup>	
25cm	x	50cm	1 Kit	1 Kit	2 Kits	4 Kits	0.125m <sup>2</sup>
			2.813kg	14.063kg	28.125kg	70.313kg	
			0.001m <sup>3</sup>	0.006m <sup>3</sup>	0.013m <sup>3</sup>	0.031m <sup>3</sup>	
50cm	x	100cm	1 Kit	3 Kits	6 Kits	15 Kits	0.500m <sup>2</sup>
			11.250kg	56.250kg	112.500kg	281.250kg	
			0.005m <sup>3</sup>	0.025m <sup>3</sup>	0.050m <sup>3</sup>	0.125m <sup>3</sup>	
100cm	x	100cm	2 Kits	6 Kits	12 Kits	29 Kits	1.000m <sup>2</sup>
			22.500kg	112.500kg	225.000kg	562.500kg	
			0.010m <sup>3</sup>	0.050m <sup>3</sup>	0.100m <sup>3</sup>	0.250m <sup>3</sup>	



## 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.

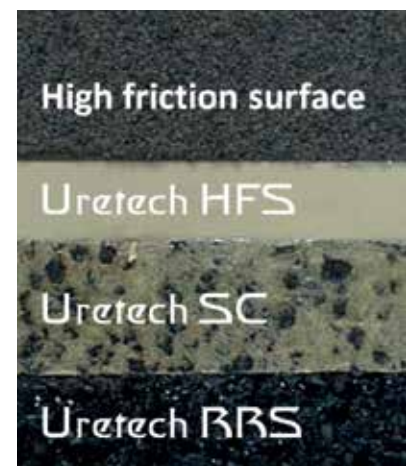
The minimum depth of the repair should be around 50mm. If the product is being hand compacted it should be filled and separately compacted in 50mm layers. If mechanical compaction is being used depths in excess of 100mm can be accommodated by this method.

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 <sup>3</sup> (1m <sup>2</sup> @ 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 <sup>2</sup> )
Standard Colour	Black
Component sizes	A:17.0kg / B:1.5kg / C:0.5kg / D:1.0kg



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