

Unit 10 Southfield Lane Ind. Est.  
 Whitwell Worksop S80 4NW  
 Tel 01909 722662 Fax 01909 720228  
 Web Site <http://www.trustseal.co.uk>  
 Email [info@trustseal.co.uk](mailto:info@trustseal.co.uk)



## PRODUCT SPECIFICATION

# TRUSTSEAL MOISTURE TOLERANT EPOXY

### MT Resin

Moisture Tolerant Resin

#### Description

Trustseal Moisture Tolerant Epoxy Anti-skid is a cold, hand or machine laid anti-skid treatment for application to areas that are subjected too high breaking forces, i.e. traffic light approaches, road junctions, roundabouts and pelican crossings.

Standard epoxy coatings used in the road industry use amines to cure, which is sufficient in normal working conditions

Trustseal Moisture Tolerant Epoxy uses different curing agents, which allow the epoxy to cure under water and at lower temperatures.

#### Advantages

Can be laid upon damp or wet surfaces.

Can be laid at low temperatures 0°C. Curing Time approx 6 hours

Can use damp stone to cover the binder.

#### Performance

When measured by the portable skid resistance tester (TRL Road Note 27 Pendulum Method). The minimum value is 70+.

#### Tensile Adhesion Properties of Binder

Epoxy	Moisture Tolerant Epoxy Resin		Standard Epoxy Resin	
	-10deg C	20deg C	-10deg C	20deg C
Dry SMA	1.5N/mm <sup>2</sup>	1.1N/mm <sup>2</sup>	1.5N/mm <sup>2</sup>	1.1N/mm <sup>2</sup>
Wet SMA	1.5N/mm <sup>2</sup>	1.0N/mm <sup>2</sup>		
Primed Steel	1.0N/mm <sup>2</sup>	2.0N/mm <sup>2</sup>		
Brushed Steel	0.15N/mm <sup>2</sup>	0.3N/mm <sup>2</sup>		
Concrete Dry		3.0N/mm <sup>2</sup>		
Concrete Wet		0.5N/mm <sup>2</sup>		

TRL requirement for TA @20°C is 0.5N/mm<sup>2</sup>



MANUFACTURERS OF  
 KEYGRIP EPOXY TYPE ONE HIGH FRICTION SURFACING  
 KEYGRIP THERMOPLASTIC TYPE ONE AND TYPE THREE HIGH FRICTION SURFACING  
 COLOURED TRAFFIC CALMING PRODUCTS : JOINT AND OVERBAND SEALANTS  
 INSTALLERS OF  
 ANTI-SKID SURFACING : TRAFFIC CALMING CYCLE LANES ETC  
 REFLECTIVE CRACKING TREATMENTS : ASPHALT AND CONCRETE REPAIR

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### Aggregates

The most commonly used high PSV aggregates are Guyanan and Chinese bauxite, these give PSV's in the range of 70-75. Guyanan is grey in colour and Chinese is buff. These aggregates can be coloured along with the binder for use as traffic calming aids.

### Aggregate Grading

5% max retained on a 3.35 mm BS sieve and not more than 5% passing a 1.18 mm BS sieve. The aggregate shall be clean and free of foreign matter.

### Application to a New Surface

New hot rolled asphalt should have the chippings spread into the asphalt at a minimum rate, so that the surface gives a final texture depth of 1.5 mm. Reducing the amount of chippings in the asphalt gives a smoother surface finish, that results in the anti-skid being more evenly applied. New hot rolled asphalt should be left for a minimum of four weeks, depending upon vehicle traffic. This is necessary to allow any volatile oils in the asphalt to oxidise.

### Quality Assurance

All our materials are tested under the control of a quality assurance system to BS/EN/ISO 9002 and certificates of conformity issued when requested.

### Coverage Rate

Binder	Minimum of 1.35 Kg/m <sup>2</sup> depending on roughness of the road surface.
Aggregate	7-8 Kg/m <sup>2</sup>
Packaging	22 Kg composite packs.
Cleaning	Suitable solvent mixture xylene/white spirit.

### Health and Safety

It is recommended that a suitable barrier cream be used along with gloves and protective clothing when using Trustseal Moisture Tolerant Epoxy. For other information refer to Health and Safety Data Sheets.

### Other Information

The conditions or methods of handling, storage, use or disposal of the product is beyond our control and may be beyond our knowledge and as such, we do not assume responsibility and expressly disclaim liability for loss damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.

**MT Resin**

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