

## TRUSTSEAL LTD

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 HARDEN RED THERMOPLASTIC

## Description

Key Grip Thermoplastic is a hand laid Traffic Calming system. It consists of a blend of tall oil rosin esters plasticised with mineral oil, elastomeric rubbers, fillers and high PSV aggregates. Due to Key Grip's thermoplastic nature it makes an ideal material for areas which have suffered from cracks and rutting in the road. Key Grip can be pigmented to any colour required for use as a traffic calming measure.

## Performance

When measured by the portable skid resistance tester (TRL Road Note 27 Pendulum Method) the minimum initial value is 65 plus. When measured by a mobile (vehicle mounted) skid tester (scrim or equivalent). The minimum initial value is 0.60 plus. When measured by a mobile (vehicle mounted) skid resistant tester (scrim or equivalent) the minimum initial value of 60 plus.

## Areas of Use

Areas where Key Grip can be applied are approaches to pelican crossings, traffic lights and areas where there have been a high incident of accidents.

## Aggregate

Aggregates used is Harden Red, which gives PSV's in the range of 60 – 65. Thermoplastic Key Grip can be pigmented to any colour.

## Application to a new surface

Key Grip can be applied to new hot rolled asphalt. The use of the thermic lance removes most of the volatile oils that have risen to the surface of the asphalt.

## Rough Textured Surfaces

Due to Key Grip's thermoplastic properties it can be used to recover the profile of the road by filling in the depressions and then applying a finished veneer.

## Coverage Rates

Key Grip 85-100 m<sup>2</sup>/tonne depending on rugosity of the road surface.  
Packaging 25 Kg Bags.

### Physical Properties of Binder

Properties	Specification	Test Method
Softening Point Ring and Ball	90°C Minimum	BS 2000 Part 58;1993
Flow Resistance @ 45°C	Nil mm	Trustseal 002
Flexibility	No surface cracking or crazing	Trustseal 004



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