

# 3M™ Scotchkote™ Epoxy Screed XSL 801

Updated  
Supersedes

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## Data Sheet and Application Guide

### Product Description

Scotchkote Epoxy Screed XSL 801 has been specifically developed as a three component 100% solids self levelling system for application to a wide range of floor surfaces.

### Product Features

- Combines good application characteristics with excellent chemical resistance.
- Designed for application by trowel and squeegee.
- Suitable for use on most floor surfaces in conjunction with the appropriate primer.
- Anti-Static Grade also available

**Adhesion:** Excellent in combination with the appropriate primer.

**Chemical Resistance:** Unaffected by most industrial chemicals.

**Abrasion Resistance:** High order of resistance to abrasion and mechanical damage

### General Application Steps

1. Remove oil, grease and loosely adhering deposits.
2. Prepare the surface and apply the appropriate primer.
3. Apply Scotchkote Epoxy Screed XSL 801 at the specified thickness.
4. Allow to cure.
5. Visually inspect the coating for defects.
6. Repair all defects.

### Properties

Property	Value
Colour	Light Grey
Ratio	Mix as supplied
<b>Drying &amp; Cure times at 20°C (68°F)</b>	
Useable life	45 mins
Touch Dry	4 hours
Hard Dry for Service	24 hours
Minimum Overcoating	16 hours
Maximum Overcoating	48 hours
Full Cure	7 days
Volume Solids	100%
V.O.C	Nil
Film Thickness (Typical)	Wet/Dry 2-3 mm (80-120 mils)

**Note:** The actual thickness to be applied should be agreed between the specifier and the manufacturer dependant on operational performance criteria and may be higher or lower than the quoted typical value.

Theoretical Coverage Rate	0.27 m <sup>2</sup> /kilo at 2 mm dft (3 ft <sup>2</sup> /kilo at 80 mils dft) 0.18 m <sup>2</sup> /kilo at 3 mm dft (2 ft <sup>2</sup> /kilo at 120 mils dft)
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### Performance Data

Abrasion Resistance	45 mgm weight loss per 1000 cycles, CS17 wheel 1kg load (ASTM D4060)
Impact Resistance	4.29 joules (38 ins/lbs) (ASTM D2794)
Tensile Strength	16 Mpa (2300 psi) (ASTM D683)
Direct Pull Adhesion	3.5Mpa (500 psi) - Concrete (Concrete Failure) (ASTM D4541)
Pencil Hardness	H (ASTM D3363)
Scrub Resistance	>10,000 cycles (ASTM D2486)
Compressive Strength	67Mpa (9700 psi) (ASTM D695)
Flexural Strength	39 Mpa (5700 psi) (ASTM D790)
Scratch Resistance	No failure 2.5kg (5.5lbs) Load (BS 3900 Part E2)



# Application Procedures for Scotchkote Epoxy Screed XSL 801

All surfaces should be clean, dry and free from loose material.

Porous Concrete Surfaces should have all surface laitance removed by mechanical means, then primed with 3M™ Scotchkote™ Epoxy Sealer SP 810.

Prior to coating, the concrete should be dry and the moisture content should be checked using a proprietary surface moisture indicator such as an Elcometer 7420 Digital Moisture Meter. When tested in accordance with the manufacturers instructions the reading should be classified as 'dry'.

**Non Porous Surfaces:** Quarry tiles and power floated concrete should be primed with 3M™ Scotchkote™ WB Epoxy Primer GP 830.

**Existing Coatings:** should first be checked for adhesion to the substrate then be primed with Scotchkote WB Epoxy Primer GP 830.

Where an anti-static system is required surfaces must be primed with 3M™ Scotchkote™ Epoxy Sealer SP 810 Conductive. For detailed guidance contact the 3M Northallerton Technical Department.

## Mixing

The product is a three component material comprising Part A (Base) and Part B (Activator) components and an Aggregate component which must be mixed together prior to use.

The Part A (Base) and Part B (Activator) components should be thoroughly mixed together in the outer container of the pack. After mixing continue stirring and add the total contents of the Aggregate bag, care must be taken to ensure thorough 'wetting' of the aggregate to prevent the formation of agglomerates. The use of a mechanical mixer is recommended to ensure thorough and complete mixing. The mixed product must be used within 45 minutes of mixing at 20°C.

## Application Procedures

Application should not be carried out when humidity exceeds 85%, or when the surface to be coated is less than 3°C above the dew point.

Application is best carried out when the surface to be coated is above 10°C.

The mixed product should be poured onto the primed surface and spread with a serrated trowel to the required thickness (the serrations in the trowel should be 2-3mm deep with a saw tooth pattern to give a 2mm film thickness and 4-5mm deep to give a 3mm film thickness).

After spreading, the use of a spiked roller over the coated area is advised to aid the release of entrapped air.

All equipment must be cleaned IMMEDIATELY after use with 3M™ Scotchkote™ Cleaner 020.

## Packaging and Storage

Supplied in 40 kilo packs

Use within 5 years of date of manufacture. Store in original sealed containers at temperatures between 5°C and 32°C.

## Handling and Safety Precautions

Read all health hazard, precautionary and first aid statements found in the Material Safety Data Sheet, and/or product label prior to handling or use.

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## Important Notice

All statements, technical information and recommendations are based on information believed to be reliable, but the accuracy or completeness is not guaranteed. Before using the 3M™ Scotchkote™ Product, you must evaluate it and determine if it is suitable for your intended application. Because conditions of product use are outside of 3M control's and vary widely you assume all risks and liability associated with such use. Any product related statements not contained in current 3M publications, or any contrary statements contained in your purchase order, shall have no force or effect unless expressly agreed to in writing by an authorised officer of 3M.

## Warranty; Limited Remedy; Limited Liability.

3M warrants that the 3M™ Scotchkote™ Product will conform to 3M published specifications upon shipment. If the product is proven not to have met the specifications your exclusive remedy within 12 months of sale by 3M of the product and 3M's sole obligation will be, at 3M's option, to replace the Product or to refund the purchase price of the Product. Except where prohibited by law, this warranty is made in lieu of all other warranties, express or implied, including, but not limited to, any implied warranty of suitability or fitness for a particular purpose, or those arising from a course of dealing, custom or usage or trade.

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