

# 3M™ Scotchkote™ Urethane Elastomer SS 441 Paste

## Data Sheet and Application Guide

### Product Description

Scotchkote Urethane Elastomer SS441 has been specifically developed as an elastomeric repair paste with a high degree of flexibility for use as a caulking compound and joint filler.

### Product Features

- Designed for application by trowel or spatula at thicknesses up to 6mm.
- Low hazard, making it safe to use on food preparation areas.
- Also suitable for repairs to rubber surfaces.

### General Application Steps

1. Remove oil, grease and loosely adhering deposits and thoroughly abrade the surface, to produce a rough fibrous finish.
2. Apply 3M™ Scotchkote™ Elastomer Primer 075 and allow to dry.
3. Apply Scotchkote Urethane Elastomer SS441 to the required thickness.
4. Allow to cure.
5. Visually inspect the coating for defects.
6. Repair all defects.

### Properties

Property	Value
Colour	Black and Grey
Ratio	7:1 By volume
<b>Drying &amp; Cure times at 20°C (68°F)</b>	
Useable life	20 mins
Initial Set	2 hours
Hard Dry	16 hours
Full Mechanical	3 days
Full Cure	7 days
Volume Solids	100%
V.O.C	Nil
Film Thickness (Typical)	Up to 6mm.
Volume Capacity	890cc (53 cu ins) per kilo
<b>Performance Data</b>	
Tensile Strength	80kg/cm <sup>2</sup> (1200 psi) (ASTM D412)
Dielectric Strength	16KV/mm (ASTM D149)
Elongation	400% (ASTM D412)
Shore A Hardness	75 (ASTM D2240)
Dry Heat Resistance	80°C (176°F) (ASTM D2485)
UV Resistance	No loss in properties after 1000 hours exposure (BS 3900:F3)
Peel Adhesion (Concrete & Steel)	7kg/cm (37 pli) - Cohesive failure in Seal-Tech SS (ASTM D903)
Tear Strength	35kg/cm (200pli) (ASTM D624)
Maximum Operating Temperature	80°C (176°F) - Dry 50°C (122°F) - Wet



# Application Procedures for 3M™ Scotchkote™ Urethane Elastomer SS441 Paste

## Surface Preparation

All existing dirt, oil and grease should be removed and the surface wiped with 3M™ Scotchkote™ Cleaner 020.

Smooth surfaces, including metals, should be mechanically etched to produce a good profile. All loose dust and particles should be blown clear of the prepared surface.

On certain repairs where one surface is not required to bond to the 3M™ Scotchkote™ Urethane Elastomer SS441, these surfaces should be treated with 3M™ Scotchkote™ Release Agent 035.

## Priming

All areas to be repaired or built up should be first primed with 3M™ Scotchkote™ Urethane Elastomer Primer 075. The primer should be applied with a soft bristled brush to give an even, but low coating thickness, taking care to avoid ponding of the primer.

The primer should be allowed a minimum of 60 minutes and a maximum of 8 hours at 20°C before applying Scotchkote Urethane Elastomer SS441.

## Product Mixing

Scotchkote Urethane Elastomer SS441 is a two component material which must be mixed together prior to use.

The contents of the Part A (Base) and Part B (Activator) container should be transferred to a clean mixing board and the products mixed to ensure the material is completely homogeneous.

Where less than full unit mixes are required it is essential that the product be mixed accurately measuring out the quantities of Part A (Base) and Part B (Activator). The mixed material should be used within 20 minutes of mixing at 20°C.

## Application Procedures

The mixed material should be pressed firmly into the prepared area working the product into cracks or defects on the surface.

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

## Packaging and Storage

Supplied in 1.0 kilo packs

Use within 12 months 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, Material Safety Data Sheet, and/or product label prior to handling or use.

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## Important Notice

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### Infrastructure Protection Division (IsPD) 3M United Kingdom plc

23 Standard Way Industrial Estate  
Northallerton  
North Yorkshire DL6 2XA  
United Kingdom  
Phone: +44 (0)1609 780170  
Fax: +44 (0)1609 780438  
www.3M.co.uk/scotchkote

### Infrastructure Protection Division (IsPD) 3M United Kingdom plc

3M Centre  
Cain Road, Bracknell  
Berkshire RG12 8HT  
Phone: 01344 858000  
Fax: 01344 857970  
www.3M.co.uk

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