

# 3M™ Scotchkote™ Urethane Elastomer SS 440 Fluid

## Data Sheet and Application Guide

### Product Description

Scotchkote Urethane Elastomer SS440 has been specifically developed as a fluid elastomer with a high degree of flexibility for use as a caulking compound and joint filler.

### Product Features

- Designed to be poured into gaps and voids
- High degree of flexibility
- Also suitable for repairs to rubber surfaces

### Surface Preparation

All existing dirt, oil and grease should be removed and surface wiped with a suitable cleaner. If your local air quality regulations allows its use, we recommend using 3M™ Scotchkote™ Universal 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 SS440, these surfaces should be treated with 3M™ Scotchkote™ Release Agent 035.

### Priming

All areas to be filled 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 (68°F) before applying Scotchkote Urethane Elastomer SS440.

### Product Mixing

Scotchkote Urethane Elastomer SS440 is a two component material which must be mixed together prior to use.

The contents of the Part B (Activator) container should be added to the Part A (Base) container 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 10 minutes of mixing at 20°C (68°F).

### Application Procedures

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

All equipment must be cleaned immediately with a suitable degreasing agent. If your local air quality regulations allows its use, we recommend using 3M™ Scotchkote™ Universal cleaner 020.

### Properties

Property	Value
Color	Black and Grey
Ratio	8:1 By volume
<b>Drying &amp; Cure times at 20°C (68°F)</b>	
Useable life	10 mins
Initial Set	20 mins
Hard Dry	16 hours
Full Mechanical	3 days
Volume Solids	100%
V.O.C	0 g/L
Film Thickness	Up to 6 mm (0.25 in)
Volume Capacity	890 cc (53 cu in) per kilo.
<b>Performance Data</b>	
Tensile Strength	80 kg/cm <sup>2</sup> (1200 psi) (ASTM D412)
Dielectric Strength	16 KV/mm (ASTM D149)
Elongation	75 (ASTM D2240)
Tear Strength	35 kg/cm (200 lbs/in) (ASTM D624)
UV Resistance	No loss in properties after 1000 hours exposure (BS3900:F3)
Peel Adhesion (Concrete & Steel)	7 kg/cm (37 lbs/in) - cohesive failure in Seal-Tech SS (ASTM D903)
Maximum Operating Temperature	80°C (176°F) - Dry 50°C (122°F) - Wet



## 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 (41°F) and 32°C (90°F)

## 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.

## Ordering Information/Customer Service

For ordering information, technical information, product information or to request a copy of the Material Safety Data Sheet:

Phone: 800/722-6721

Fax: 877/601-1305

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### Infrastructure Protection Division

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80-6111-8623-2-Rev A