

# 3M™ Scotchkote™ Urethane Elastomer 60EG 533

(Formerly known as Flexi-Tech 60 EG)

## Data Sheet and Application Guide

### Product Description

Scotchkote Eurothane Elastomer 60EG 533 has been specifically developed as an elastomeric repair system with a high degree of flexibility for rebuilding and resurfacing rubber components.

### Product Features

- Physical properties similar to factory produced rubbers.
- Designed for application by trowel or spatula at thicknesses upto 6 mm (0.24 in).
- Good cold vulcanising capabilities.
- Suitable for use to repair conveyor belts, rollers, gaskets, hoses, off road tyres etc.

### Surface Preparation

Heavy contamination due to oil or grease must be removed using a suitable degreasing agent. If your local air quality regulations allows its use, we recommend using 3M Scotchkote Universal Cleaner 020.

Any areas of frayed or fragmented rubber should be cut away to provide a sound repair area. Smooth surfaces, including metals, should be mechanically etched to produce a good profile, with abrasive blasting being preferred for metal substrates. Rubber surfaces are best roughened using a stiff wire brush / comb. Edges of repair areas of belts, hoses, tyres etc. should be undercut.

All loose dust and particles should be blown clear of the prepared surface. On certain repairs such as gaskets and castings where one surface is not required to bond to the Scotchkote Urethane Elastomer 60EG 533, these surfaces should be treated with 3M™ Scotchkote™ Release Agent 035.

### Priming

All areas to be repaired or resurfaced 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 60EG 533.

### Product Mixing

Scotchkote Urethane Elastomer 60EG 533 is a two component material which must be mixed together prior to use.

Two volumes of Part 1 and one volume of Part 2 should be measured onto a clean surface and the two components mixed thoroughly to produce a smooth streak free material. Thorough mixing is extremely important and once the material appears mixed, a further period of mixing should be carried out to ensure there is no unmixed material.

The mixed material should be used within 20 minutes of mixing at 20°C (68°F).

### Application Procedures

The mixed material should be pressed firmly onto the prepared area working the product into cracks or defects on the surface. Where necessary, reinforcement tape should be bedded into the material and overlapped to provide multi-layer reinforcement.

All equipment must be cleaned immediately after use 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
Ratio	2:1 By volume 2:1 By weight
<b>Drying &amp; Cure times at 20°C (68°F)</b>	
Useable life	25 mins
Initial Set	3 hours
Machining	16 hours
Full Mechanical	3 days
Volume Solids	100%
V.O.C (As Supplied)	0 g/L
Film Thickness	Up to 6 mm (240 mils)
Volume Capacity	910 cc (55 cu ins) per kilo
Tensile Strength	7 Mpa (1000 psi)
Dielectric Strength	16 KV/mm (406 V/mil)
Elongation	800%
Shore A Hardness	60



## Packaging and Storage

Supplied in 0.60kg and 3 kg packs

Use within 12 months of purchase. Store in original sealed containers at temperatures between 5°C (40°F) and 30°C (86°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 technical or product information, or a copy of the Material Safety Data Sheet, call:

Phone: 800/722-6721 or 651/575-5842

Fax: 877/601-1305

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