

3M™ Scotchkote™ Urethane Elastomer 75RG 530

(Formerly known as Flexi-Tech 75 RG)

Data Sheet and Application Guide

Product Description

Scotchkote Urethane Elastomer 75RG 530 has been specifically developed as a fast curing 75-80 Durometer, elastomeric repair system with a high degree of flexibility for rebuilding and resurfacing rubber components.

Product Features

- Properties equal to factory produced rubbers.
- Designed for application by trowel or spatula at thicknesses up to 6 mm (0.24 in).
- Provides good cold vulcanising capabilities.
- Designed for use to repair conveyor belts, rollers, gaskets, hoses, and off road tyres.

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 75RG 530, these surfaces should be treated with 3M™ Scotchkote™ Release Agent 035.

Priming

All areas to be repaired or resurfaced should be first primed with a special fast setting Scotchkote primer comprising Scotchkote Urethane Elastomer Primer 075 premixed with Scotchkote Urethane Elastomer 60RG 537 Primer Catalyst. The contents of the catalyst bottle should be added to the primer container immediately prior to use and the container should then be shaken to ensure complete mixing is achieved. After use the container should be resealed, taking care not to contaminate the contents. This resealed Scotchkote primer will have a limited shelf life of up to 3 months. 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 10 minutes and a maximum of 1 hour at 20°C (68°F) before applying Scotchkote Urethane Elastomer 75RG 530.

Product Mixing

Scotchkote Urethane Elastomer 75RG 530 is a two component material comprising a Part A Component and a Part B Component which must be mixed together prior to use. Scotchkote Urethane Elastomer 75RG 530 is supplied in sachets, the ends of the sachets should be cut off and the entire contents of each squeezed onto a clean surface and mixed thoroughly to produce a 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 3 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.

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Properties

Property	Value
Color	Black
Ratio	1:1 By volume 1:1 By weight
Drying & Cure times at 20°C (68°F)	
Useable life	3-5 mins
Initial Set	30 hours
Machining	1 hour
Full Mechanical	24 hours
Volume Solids	100%
V.O.C (As Supplied)	0 g/L
Film Thickness	Up to 6 mm (240 mils)
Volume Capacity	925 cc (56.4 cu ins) per kilo
Tensile Strength	6.31 Mpa (915 psi)
Dielectric Strength	16 KV/mm (406 V/mil)
Elongation	550%
Shore A Hardness	80



Packaging and Storage

Supplied in 10x0.075gm packs

1. 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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