

Eli-Flex

Eli-Flex is a revolutionary polymer resin that offers a durable lining between anti-roll bars and bushes. The polyurethane lining absorbs the extreme wear and impact forces acting upon them. The use of *Eli-Flex* is enabling P.S.V. and H.G.V. vehicle operators to save thousands of pounds by eliminating frequent new part replacement.

Existing users have found that their anti-roll bar bushes last 4 to 5 times longer after *Eli-Flex* has been applied. Anti-roll bars last indefinitely longer. There is no need to fit new bushes with *Eli-Flex*, the old bushes can be re-used over and over again. There is also no need to replace the costly roll-bar, with *Eli-Flex* you can rebuild them to their original diameter and thickness.

The advantage of *Eli-Flex* over the pre-shaped polyurethane bushes available on the market is that *Eli-Flex* is applied by the user in a soft paste format, thereby filling the exact void dimensions under the bush. As it cures, the bush assembly can be tightened, resulting in all excess resin being expelled. This leaves only the necessary amount between the bush and roll-bar, guaranteeing a perfect fit every time.

Users find that the product solves immediate M.O.T. concerns with 'knocking', 'rattling' and freeplay between the bushes and bar. *Eli-Flex* will fill in the void caused by the wear on the roll-bar, and take up the slack in the assembly. The product has been designed to be versatile for use on all makes and models of coach, bus, minibus and truck.

The product is mixed and applied in 10 minutes without special tools, training or equipment. There is no need to remove and lower the roll-bar assembly, thereby saving time and workload. Eli-Flex cures in approximately one hour; thereafter the vehicle can be returned into service.

Eli-Flex is used nationwide by Volvo, D.A.F., Dennis, IVECO, Scania & Mercedes Benz dealers. Large existing Coach/Bus users are Stagecoach, First Group, Bus Eirann, Ulsterbus & Arriva. Large existing haulage users are Salvesen Logistics, Chambers Waste, BIFFA Waste Services. **VOSA Aware.**

User Checklist

- ✓ Easy to mix and apply
(pre-measured twin pack mixing system)
- ✓ Excellent flexibility, impact resistance and abrasion withstand
- ✓ High tear resistance and wear resistance
- ✓ Resistant to petrol, oils, and chemicals
- ✓ No special tools required
- ✓ Low irritation potential
- ✓ Flame retardant
- ✓ Quick setting

Technical Reference Guide

Property	Rating	Why Important
Colour	Black	Repairs are easily visible
Hardness when fully set	Shore A65	Tough, yet flexible
Setting time at 15°C and 5°C	90 minutes and 2 hours respectively	Quick turnaround time
Tensile strength	4 MPa	Withstands vibration forces
Elongation at break	270%	Withstands stretching forces
Abrasion Resistance	400mm ²	Will not easily wear away
Chemical Resistance	Resistant to petrol, diesel, oil etc	Unaffected by accidental leaks
Heat Resistance	85°C continuous exposure	Superior to original bush
Flame Retardancy	FV5 as measured on IEC707	100% solvent free, non-flammable



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ELI-FLEX



Anti-Roll Bar Repair Resin

The quick and easy solution to worn anti-roll bars and bushes.

Eli-Flex is a two-part polyurethane resin designed to extend the usable life of rubber and metallic components subject to prolonged vibration, mechanical stresses, wear and tear.

No wear...nowhere

Anti-Roll Bar Repair Resin

Versatile

Eli-Flex is suitable for use on all makes and models of H.G.V.'s, P.S.V.'s, minibuses etc. V.I. approved.

Cost Efficient

One sachet of Eli-Flex costs less than a set of new bushes. New anti-roll bars can cost up to £800. With Eli-Flex, bushes last 4 to 5 times longer, roll bars last indefinitely longer. No need to fit new bushes.

Easy to Use

Eli-Flex is mixed and applied from the sachet. No mixing ratios, no hand mixing, no mess and minimal wastage. The application procedure takes less than 10 minutes.

ELI-FLEX

Fitting Instructions

Step 1

Remove the roll bar assembly, drop the bar and remove the bushes. The worn area can be noticed on the bar.



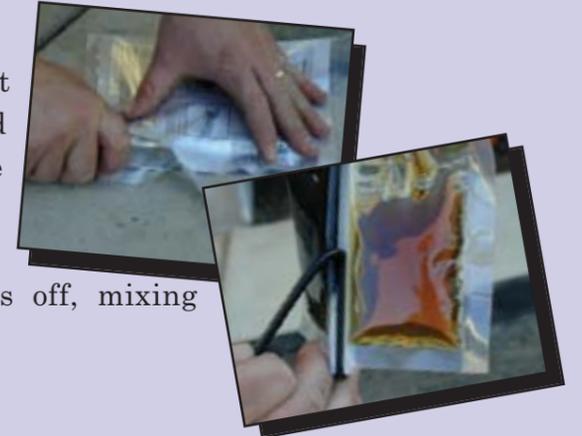
Step 2

Clean, degrease and roughen the worn area on the roll bar. Coat the inside of the bushes with a release agent (grease, silicon spray, etc). The old bushes can be re-used.



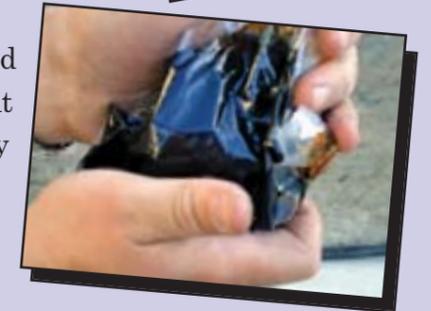
Step 3

Open the sachet of Eli-Flex and slide out the separator clip from one side. Once the clip is off, mixing can commence.



Step 4

Mix by kneading and squashing the pack until it warms up. (approximately 3 to 4 minutes).



Step 5

Cut open any corner with a knife or pair of scissors. Squeeze out the resin onto the worn area.



Step 6

Spread the resin evenly around the bar with a spatula or flat edged implement (Eli-Flex spatula available on request).



Step 7

Fit the bush assembly and tighten. Clean away any excess resin that extrudes from the sides. Allow to cure for 2 hours at 20°C or 3 hours at 10°C. Return the vehicle to service.

