



# ELI-FLEX

## Conveyor Belt & Rubber Repair Resin



### The quick, easy and cost-effective solution to damaged Conveyor Belting

Eli-Flex is suitable for repairing: holes, tears, splits, rips, gouges, missing filler strips, worn patches, clip joint / fastener sealings, edge repairs, re-building cleats, chevrons and sidewalls, worn drum lagging, roller coatings, friction linings, and more.

Suitable for: fabric and steel cord rubber belts and non-food quality PVC belts.

### FEATURES

- ◆ Quick setting
- ◆ Easy to use twin-pack mixing & application system
- ◆ No special tools or skills required
- ◆ Excellent flexibility
- ◆ High tear and impact resistance
- ◆ High wear and abrasion resistance
- ◆ Broad spectrum chemical protection
- ◆ Flame retardant
- ◆ Low irritation potential
- ◆ Environmentally friendly handling properties

### KEY DATA POINTS

#### SETTING TIME: PER 1/16" DEPTH

45°F	50 – 60 min
77°F	25 – 30 min
96°F	20 – 25 min

*Only requires 45 minutes per 1/16" depth of repair*

#### HARDNESS: AFTER 24 HOURS

77°F	Shore A 60 for paste
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*Closely resembles the cured properties of rubber*

#### COVERAGE: AT 1/16" DEPTH INCHES<sup>3</sup>

EF100G	100 grams	.67 sq. ft.	5.5
EF150G	150 grams	1.01 sq. ft.	8.25
EF300G	300 grams	2.02 sq. ft.	16.5
EF500G	500 grams	3.35 sq. ft.	27.5

*Convenient sized packaging and cost effective coverage means you minimize waste*

Tensile Strength	Elongation at break point	Tear Resistance
4N/mm2 for paste	190% for paste	4N/mm2 for paste
<i>Withstands stretching forces</i>	<i>Wraps easily around pulleys</i>	<i>Resists strong tearing forces</i>

P.O. Box 486, Johnstown, Ohio 43031 USA

Customer Service: 1-800-705-2206 or 1-740-967-9015 Fax: 740-967-1039

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# Six Easy Steps to Belt Repair

## Step 1: Cleaning Surface



Prepare the damaged conveyor belt surface by removing loose rubber and grinding the surface. We recommend the Rubber Terminator drill mounted disk. Ensure the surface is cleaned, roughened and free of dust, oil, grease and moisture. Only use solvent before roughing process to clean contaminated surface.

## Step 2: Opening Repair Kit



Feel the aluminum foil for the clip separator inside. Cut the foil along the edge to the outside of the separator clip.

## Step 3: Removing Divider Spine



Remove the resin pouch and lay flat. Grasping the pouch on either end, gently pull the two sides apart until the separator tube pops up. Pull the tube out, moving from top to bottom.

## Step 4: Mixing Hardener & Epoxy



Mix the hardener and resin together for approximately 2-4 minutes by working the bag in your hands. The resin will start to warm up after 2-3 minutes of mixing. In winter, mix for 4-5 minutes.

## Step 5: Applying Resin



Cut an opening in the bag that suits the repair you are doing. For small spot repairs only cut a small hole in the corner. For larger repairs cut a bigger hole. Apply the resin to the damaged area by squeezing it out of the bag.

## Step 6: Spreading Resin



Work a thin layer of Eli-Flex into the prepared surface with your fingers. Continue spreading Eli-Flex using a spatula or any other flat-edged tool. Working time is approximately 20-30 minutes. After approximately 45 minutes the resin will gel, and after 120 minutes it will set. It is now ready for belt operation, but will take 8-10 hrs to reach full strength.



# Eli-Flex FR1510 PROTEKT-A-SPLICE

Eli-Flex FR1510 PROTEKT-A-SPLICE is a special two-part resin system formulated to cover and seal mechanical belt splices. This versatile compound bonds to rubber, PVC and metal/steel substrates exhibiting excellent strength and adhesion combined with flexibility, tear strength and abrasion resistance.

## FEATURES

- ◆ Convenient twin pack mix and delivery system is simple and safe, eliminates chance of incorrect mixture ratios
- ◆ Ideal for sealing clip joints and covering fasteners on rubber and PVC conveyor belts
- ◆ Eliminates spillage and leaking through the gaps in hinge-and-pin type clip joints
- ◆ Reduces dust caused by particles falling through the splice in fine powder processing applications
- ◆ Protects Clip joints / fasteners from damage caused by belt cleaning blades and damage to the blades themselves
- ◆ Eliminates rust and corrosion problems caused by water ingress into the splice
- ◆ Minimizes metal-to-metal rattling and noise

## ELI-FLEX CONVENIENCE PACKS

ITEM	DESCRIPTION
EF100G	ELI-FLEX 100 GRAM KIT
EF150G	ELI-FLEX 150 GRAM KIT
EF300G	ELI-FLEX 300 GRAM KIT
EF500G	ELI-FLEX 500 GRAM KIT
EFPS250G	PROTEKT-A-SPLICE KIT, 250 GRAM
EFPVC250G	ELI-FLEX PVC & URETHANE, CREAM COLOR KIT, 250 GRAM

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