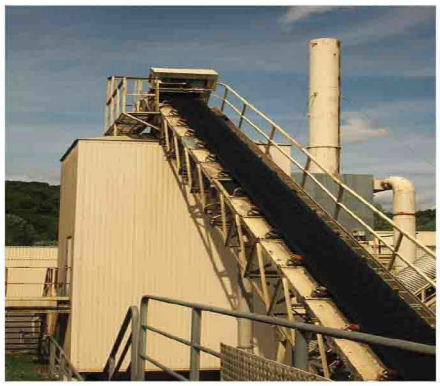
ELI-FLEX

CONVEYOR BELT
&
Rubber Repair Resin

Quick, Easy, & Cost-effective
Solution to Damaged Conveyor Belting

Key Benefits

- Easy to mix & apply - "Side by Side" two component packaging simplifies handling
- Pre-measured twinpack ensures proper mix ratio every time
- Excellent flexibility, impact resistance and abrasion resistance
- High tear propagation resistance
- Excellent wear and abrasion withstand
- Broad spectrum chemical resistance
- No special tools or equipment required
- Low irratation potential, No protective clothing or special training required
- Flame retardant and non-shrinking
- Easy application
- Convenient packaging, four kit sizes available



WHAT CONVEYOR BELT DAMAGE CAN ELI-FLEX FIX?

Holes, tears, cuts, splits, gouges, rips, longitudinal / lateral cracks, sidewall repair, worn edges, exposed fabric carcass, exposed steel cables / steel cord, filler strips, worn lagging patches, fraying or stringing, rebuilding cleats, chevrons, profiles, etc.

Additional Applications

Off-road tires (quarry vehicles, tractors, diggers, graders, etc.), patch linings (chutes, tanks, pipes, and truck beds), rubber / polyurethane screen decks, rubber castings / moldings, marine fenders, rubber lining, watertight sealing, vehicle anti-rollbar repair / rebuilding.

Off-road tire repair

Clip joint sealing

Anti-roll bar repair

Applying Eli-Flex

1

The conveyor belt or rubber surface must be clean, dry and rough. Use a stiff bristle wire brush or electric grinding disc (use slowest speed).

2

Open Eli-Flex pack by cutting the aluminum foil along the marked lines.

3

Once Eli-Flex pack is out of the foil sleeve, grasp both sides and gently pull apart until separator pops up. Slide out the separator and remove the divider clip.

4

Mix by kneeding and squashing the resin pack together until the Eli-Flex starts to warm up (3-4 minutes).

To ensure homogeneous resin mix, use the plastic clipto move the resin from the corners of the resin pack towards the center.

5

Cut open any corner of the resin pack and squeeze out the resin on to the damaged surface area.

6

Smooth the resin to the desired level using a flat edged putty knife or Eli-Flex spatula (available on request). Leave to cure (see below curing times).

2 - 2.5 Hours ..... @ 77° F (25° C)
2.5 - 3 Hours ..... @ 65° F (18° C)
3 Hours ..... @ 50° F (10° C)
5 Hours ..... @ 41° F (5° C)

ELI-FLEX

FR909N60 KEY DATA

PROPERTY	RATING	BENEFIT
Setting Time @ 77° F (25° C)	25 - 30 Minutes	Minimizes Down Time
Coverage	0.9 m^2 / kg (4.4 ft^2 / lb)	Cost Efficient Coverage
Hardness (24 hrs) @ 77° F (25° C)	Shore A 60-65 (Paste) Shore A 55-60 (Liquid)	Tough, yet still flexible even at low temperatures
Tensile Strength	4 N/mm^2 for paste 7 N/mm^2 for Liquid	Withstands stretching forces
Elongation	190% elongation (paste) 195% elongation (liquid) at breaking point	Will not "pop" out as belt wraps around pulleys
Tear Resistance	4 N/mm^2 for paste 4-5 N/mm^2 for liquid (DIN 53515)	Eli-Flex will resist stong tearing forces

ELI-FLEX Kit Sizes & Coverage

Size	Availability	Coverage
100 Gram Kit	Paste	1 ft^2 @ 1/16" Depth
150 Gram Kit	Paste & Liquid	1.5 ft^2 @ 1/16" Depth
300 Gram Kit	Paste	3 ft^2 @ 1/16" Depth
500 Gram Kit	Paste	4.5 ft^2 @ 1/16" Depth

ALSO AVAILABLE IN FR993 (CREAM COLOR) & FR1510 PROTECT-A-SPLICE