KINDER
EXPERIENCE INNOVATION PRODUCTIVITY

Eli-Flex Belt and Rubber Repair

Two component fast curing polyurethane system for repairing natural, synthetic rubbers or polyurethane's. Tear strength and abrasion resistance make the product ideal to repair damage to conveyor belt, pulley lagging, pump liners or fine screen mesh.

PROPERTY	RATING	WHY IMPORTANT?
Setting Time @ 25°C (77°F)	15 minutes	Minimises downtime to 60 minutes @ 25°C (77°F)
Coverage	0,9 m^2 / kg (4,4 ft^2 / lb)	Cost efficient coverage
Hardness (24 hrs) @ 25°C (77°F)	Shore A 75-80	Tough, yet still flexible even at low temperatures
Tensile Strength	18 N/mm^2	Withstands stretching forces
Elongation	550 % elongation at breaking point	Will not 'pop' out as belt wraps around pulleys
Tear Resistance	38-40 N/mm^2 (DIN 53515)	FR1510 will resist even the strongest tearing forces

User Checklist:

- The twinpak mix and delivery system is clean and safe to use and is designed to eliminate possible mistakes due to incorrect mixing ratios.
- Eliminates spillage and leaking through the gaps in hinge-and-pin type clip joints.
- Reduces dust problems caused by powders falling through the splices especially in cement plants and bulk powder processing.
- Protects clip joints / fasteners from damage caused by belt cleaning blades, and damage to the blades themselves.
- Eliminates corrosion or rust problems on clip joints / fasteners caused by water ingress into the splice.
- Minimises metal-to-metal rattling and noise.

5 easy steps to perfect splice protection

When covering belt fasteners, we recommend that the belt is skived back approx. 1 inch (25mm) on either side and the fasteners are countersunk or recessed to leave them flush with the top cover.

Prepare the clip joint or fasteners by roughening with a stiff bristle wire brush. Ensure that there is no rust, grease or dust in the splice. Wipe off the clip joint / fasteners with a suitable cleaning solvent e.g. trichloroethylene, acetone.

Step 1 ····· ▶ **2 Minutes**

Open the resin pack by cutting the aluminium foil along the marked lines. Once the resin pack is out of the foil sleeve, grasp both sides and gently pull apart until the separator pops up.

Carefully slide out the separator and remove the divider clip.

Step 2 ····· ▶ **1 Minute**

Mix by kneading and squashing the resin pack together until it starts to warm up (2-3 minutes).

To ensure a homogenous resin mix, use the plastic clip to move the resin from the corners of the resin pack towards the centre.

Cut open any corner and squeeze out the FR1510 on to the splice and belt surface.

Step 3 ····· ▶ **2-3 Minutes**

With clip joints, ensure that the FR1510 penetrates through all gaps between the pin and hinges. Use a spatula or putty knife.

With fasteners, ensure the FR1510 fills in all the skived and recessed channels.

Start on one side and work laterally across the splice to avoid trapping air bubbles under the resin.

Step 4 ····· ▶ **5 Minutes**

Once the splice is fully sealed, or the fastener is fully covered, leave to cure for the following times before commencing belt operation:

1 hour	@ 25°C (77°F)
1½ hours	@ 18°C (65°F)
2 hours	@ 10°C (50°F)
3 hours	@ 5°C (41°F)

Step 5 ····· ▶ **60 Minutes**

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