MAK CHEM
INTERNATIONAL

BELT PROTEK

Conveyor Belt Repair Kit

PRODUCT INFORMATION

BELT PROTEK is a synthetic rubber compound for cold repairs to conveyor belts. A quick solution that allows you to get the equipment back in service within one hour.

Packaged in a 750g Kit.
Supplied in cases of 10 Kits.

Typical Applications

BELT PROTEK is designed to repair a wide range of damaged rubber surfaces by keeping the same physical, original characteristics of flexibility, adhesion and load resistance of the conveyor belt. Suitable for any conveyor belt made of natural rubber.

Kit Contents:

- Product Resin and Catalyst
- Surface Cleaner
- Primer
- Brush
- Stir Stick
- Plastic Trowel
- Protective Gloves

Composition/Ingredients

1. **RESIN:** Prepolymer base
2. **CATALYST:** Aromatic diamine
3. **CLEANER:** Methyl ethyl ketone
4. **PRIMER:** Ethyl Acetate
5. **PROPRIETARY SOLUTION**

Application Directions

BELT PROTEK is easy to prepare and use. Each kit comes with all the required components for the repair.

1. Use the enclosed rubber gloves and personal protective equipment when handling **BELT PROTEK**.
2. Use a cutting tool to prepare the belt surface around the damaged area leaving a bevel on the edges.
3. Using a slow-speed grinder, buff conveyor belt surface in areas that will contact **BELT PROTEK**.
4. Remove debris from the belt surface.
5. Use enclosed CLEANER with the brush and clean entire damaged belt area. It takes 2 minutes to dry.
6. Once CLEANER is dry, apply enclosed PRIMER to the entire repair area surface.
7. Allow PRIMER to dry. Takes 2 minutes.
8. Pour CATALYST into the RESIN container. Mix thoroughly with stir stick until you get a uniform blend.
9. Pour mixed contents onto the damaged surface area up to the belt level.
10. Use enclosed plastic trowel to smooth the surface. **BELT PROTEK** will dry rapidly, so work quickly.
11. Allow **BELT PROTEK** to harden for at least 50 minutes before putting the belt back to work.

Safety Precautions

Protective Equipment:
Use appropriate personal protection equipment (PPE). The kit contains only basic protection (enclosed gloves) to handle the material.

Physical Properties/Characteristics

PROPERTIES	ASTM TEST	VALUE
Hardness (Shore A)	ASTM D2240	80
Break Resistance (Mpa)	ASTM D412	10
Break Tension (%)	ASTM D412	500
Tear Strength (kN/m)	ASTM D624	50
Abrasion Resistance (mm3)	DIN ISO 4649	180
Adhesion Test (N/mm)	ISO 252	30
Rubber Deterioration (Flex) Mattia Test (Cycles)	ASTM D813	300.000
Dynamic Fatigue (Flex) SCOTT (Cycles)	ASTM D430	500.000
Large Deformation 22 h. a 70°C “B”%	ASTM D395	25
Impact Test 25°C (BASHORE)%	ASTM D2632	32

Product Manufactured in Chile.

+44 (0) 7464 325 169
sales@mak-global.org
mak-global.org

MAK CHEM International Ltd. Ground Floor, The Old Brewery, 2 Brewery Court, High Street, Theale, Reading RG7 5AH United Kingdom