

Belt Repair-Kit SF

pasty | fast-curing | highly elastic | wear-resistant | impact- and abrasion resistant | high resistance to chemicals and pressure

WEICON Belt Repair-Kit is a 2-component polyurethane system for the fast repair and coating of rubber surfaces. It has a very high curing speed, high elasticity and wear resistance, is impact-resistant and abrasion-resistant, and has a particularly high tear resistance. Thanks to its high mechanical strength, it is suitable especially for repairs on rubber and metal components, which are exposed to impacts, abrasion or vibrations. The Belt Repair-Kit SF offers fast and easy processability. The system is suitable for various applications, such as the repair and coating of conveyor belts, the repair of rubber coatings, for use as flexible wear protection, and for the fast repair of worn-out rubber surfaces. In addition to the polyurethane system, the set comprises a primer for surface pre-treatment, and a spatula to spread the compound evenly.

Technical data Primer

Base	Urethane
Colour	yellowish transparent
Mixing ratio by weight	32:1
Density of the mixture	1,1 g/cm ³
Viscosity of the mixture	20°C 40 mPa·s
Pot life	20°C 15 min.
Additional layer with polyurethane	30 - 60 min.

Technical data Urea

Base	polyurea
Colour after curing PU	black
Mixing ratio by weight PU	10:100
Texture	pasty
Pot life PU	20°C 3 min.
Working strength/demouldable after PU	20 °C 1 h
Final strength PU	(100 % strength) 3 h
Hardness (Shore A) PU	85±3
Tensile strength PU	DIN EN ISO 527 8,4 N/mm ²
Elongation at break (tensile) PU	DIN EN ISO 527-2 590
Tear resistance PU	31 kN/m

Instructions for use

When using WEICON products, the physical, safety-related, toxicological and ecological data and regulations in our EC safety data sheets (www.weicon.com) must be observed.

Surface pre-treatment

The successful application of the WEICON Belt Repair-Kit depends on the thorough pre-treatment of all surfaces. This is the most important factor for overall success. Dust, dirt, oil, grease, rust and moisture have a negative impact on the adhesion of polyurethane resins. Best results are achieved with application on clean, rigid and thoroughly roughened surfaces. Prior to the application of WEICON Belt Repair-Kit, the following points must be strictly observed: Cleaning Surfaces must be clean, dry and free of grease. First remove any surface soiling, like dust, dirt, oil and grease, with WEICON Surface Cleaner. Then mechanically roughen the clean surface with coarse abrasives (twist knot wire wheel, wire brush, diamond blade) thoroughly. While doing so, apply gentle pressure evenly to the surface in order to prevent the rubber from overheating. Brush off any loose dirt from the surface, then clean again with WEICON Surface Cleaner. Surface pre-treatment with Primer G is a 2-C system, which needs to be mixed prior to the application. To do so, fill the entire content of the syringe into the bottle, then close it and shake well for approx. two minutes. Apply Primer G to the clean and dry surface and spread it evenly using a paint brush. After approx. 30 - 60 minutes, the primer has reached handling strength and can be coated with Urethane 85 SF. During the application, we recommend an ambient temperature of +20°C at a relative air humidity below 85%.

Mixing

With the help of the provided static mixer, the product can be applied straight from the double cartridge. Discard the first five centimetres of the dispensed bead, then apply Urethane 85 SF evenly to the primed surface.

Application

For a pre-coating, use the Contour Spatula Flexy to intensely work the Urethane 85 into the surface to achieve maximum adhesion. Immediately after pre-coating, fill the areas that need treatment completely with the compound and spread it evenly.

Storage

Store WEICON Urethane at room temperature in a dry place. Unopened containers can be stored at temperatures of +18°C to +25°C for at least 6 months after delivery date. Opened containers must be used up within 3 months.

Note

The specifications and recommendations given in this technical data sheet must not be seen as guaranteed product characteristics. They are based on our laboratory tests and on practical experience. Since individual application conditions are beyond our knowledge, control and responsibility, this information is provided without any obligation. We do guarantee the continuously high quality of our products. However, own adequate laboratory and practical tests to find out if the product in question meets the requested properties are recommended. A claim cannot be derived from them. The user bears the only responsibility for non-appropriate or other than specified applications.

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Belt Repair-Kit SF

Accessories

10057514	Dispenser 2C 10:1 Standard, 1 PCE
10057191	Mixing Nozzle MFHX, 1 PCE
10022562	Processing Spatula, 1 PCE
10010887	Processing Spatula, 1 PCE
10010066	Contour Spatula Flexy, 1 PCE
10032350	Primer Applicator, 1 PCE
10057199	Primer G, 50 g, pale yellow, transparent

Conversion table

$(^{\circ}\text{C} \times 1.8) + 32 = ^{\circ}\text{F}$	$\text{Nm} \times 8.851 = \text{lb}\cdot\text{in}$
$\text{mm}/25.4 = \text{inch}$	$\text{Nm} \times 0.738 = \text{lb}\cdot\text{ft}$
$\mu\text{m}/25.4 = \text{mil}$	$\text{Nm} \times 141.62 = \text{oz}\cdot\text{in}$
$\text{N} \times 0.225 = \text{lb}$	$\text{mPa}\cdot\text{s} = \text{cP}$
$\text{N}/\text{mm}^2 \times 145 = \text{psi}$	$\text{N}/\text{cm} \times 0.571 = \text{lb}/\text{in}$
$\text{MPa} \times 145 = \text{psi}$	$\text{kV}/\text{mm} \times 25.4 = \text{V}/\text{mil}$

Available sizes

10062980 Belt Repair-Kit SF, 0,59 kg

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