

# 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

|                        |                       |
|------------------------|-----------------------|
| Colour                 | black                 |
| Density of the mixture | 0,9 g/cm <sup>3</sup> |
| Colour after curing PU | black                 |

## Technical data Urea

|                                       |                        |                       |
|---------------------------------------|------------------------|-----------------------|
| Base                                  |                        | polyurea              |
| Colour after curing PU                |                        | black                 |
| Minimum shelf life                    | at room temperature    | 12 mon.               |
| Density of the mixture                |                        | 1,1 g/cm <sup>3</sup> |
| Consumption                           | Layer thickness 1.0 mm | 1,1 kg/m <sup>2</sup> |
| 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 <sup>2</sup> |
| 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](http://www.weicon.com)) must be observed.

## Surface Pre-Treatment

The successful application of the WEICON Belt Repair-Kit SF 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 SF, 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.

### Roughening

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 1K Primer G

1K Primer G is a 1-component system that must be stirred carefully before application until a homogeneous, viscous, black mass is obtained. Apply 1K Primer G to the clean, dry and roughened surface and spread it evenly with a brush. Allow the primer to flash off until the solvent has evaporated and the layer looks dry (after approximately 5–15 minutes, depending on ambient temperature and humidity).

## 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.

# Belt Repair-Kit SF

## 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

WEICON Urethane should be stored at room temperature in a dry place. Unopened containers can be stored at temperatures of +18 °C to +25 °C and a relative humidity of < 70 %. Opened containers must be used up within 3 months.

## Accessories

- 10057514 Dispenser 2C 10:1 Standard, 1 PCE
- 10104191 1K Primer G, 50 ml, black
- 10057191 Mixing Nozzle MFHX, 1 PCE, orange
- 10022562 Processing Spatula long, 1 PCE
- 10010887 Processing Spatula short, 1 PCE
- 10010066 Contour Spatula Flexy, 1 PCE
- 10032350 Primer Applicator, 1 PCE

## 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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