

# Urethan 85 SF



**high wear resistance | fast curing | pasty**

WEICON Urethane 85 SF is a special, pasty polyurethane for coating and repairing rubber surfaces. For example, conveyor belts in industrial plants, in open-pit mining or in mines can be repaired with the polyurethane. Urethan 85 SF has a very high wear resistance.

It is free of solvents and is applied at room temperature. Before processing, the surface to be treated must be roughened thoroughly and then wetted with a special two-component primer (rubber primer), otherwise no adhesion to the surface will be developed. The processing time is two to three minutes. No additional heating is necessary for curing. Surfaces coated with Urethan 85 SF are loadable after one hour. Full curing is completed after three hours. A special primer is available for coating metal surfaces.

## Mechanical properties after curing

Tensile strength	DIN EN ISO 527-2	8,4 N/mm <sup>2</sup>
Elongation at break (tensile)	DIN EN ISO 527-2	590 %
Tear resistance		31 kN/m
Hardness (Shore A)	DIN ISO 7619	ca. 85±3
Temperature resistance__wet__		-60 °C - +80 °C (-76 - +176°F)
Temperature resistance__dry__		-60 °C - +100 °C (-76 - +212 °F)

## Instructions for use

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

## Surface pre-treatment

Information about surface pre-treatment and processing can be found in the manual.

## Shelf life

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.

## Conversion table

(°C x 1,8) + 32 = °F	Nm x 8,851 = lb·in
mm/25,4 = inch	Nm x 0,738 = lb·ft
µm/25,4 = mil	Nm x 141,62 = oz·in
N x 0,225 = lb	mPa·s = cP
N/mm <sup>2</sup> x 145 = psi	N/cm x 0,571 = lb/in
MPa x 145 = psi	kV/mm x 25,4 = V/mil

## Available sizes

10810540 Urethan 85 SF, 0,54 kg, black

## Characteristics

Base	Polyurea
Texture	pasty
Colour	black

## Processing

Mixing ratio by weight	1:10
Viscosity resin	at +25 °C 600 mPa·s
Viscosity hardener	at +25 °C 13.000 mPa·s
Viscosity of the mixture	at +25 °C pastös
Density of the mixture	1,1 g/cm <sup>3</sup>

## Curing

Pot life	at 20 °C 3 min.
Working strength after	20 °C 1 h
Final strength	(100 % strength) 3 h

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## 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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