

# Urethane 85



**Shore hardness: A 85**  
**Flexible and wear-resistant coating resin with high impact strength and abrasion resistance**

WEICON Urethanes are two-component polyurethanes that cure at room temperature to tough rubber-like materials. They remain flexible at temperatures down to even -60°C.

WEICON Urethanes adhere to a variety of materials such as metals, concrete, rubber, wood, fibreglass and many others. They are also suitable as flexible coatings in connection with WEICON Plastic Metal (epoxy) systems.

Due to their low sensitivity to humidity they can also be used for coatings in thin layers and have a remarkably high tensile and tear strength.

## Technical Data

Base	Polyurea
Colour after curing	black
Mixture (weight %) resin/hardener	10:100
Density of the mixture	1,1 g/cm <sup>3</sup>
Viscosity adhesive	paste-like
Pot life at +20°C (+68°F)	20 min.
High mechanical load capacity / detachable after	6 - 8 h
Final hardness after	24 h
Shore hardness A	85
Elongation at break (DIN EN ISO 527)	470 %
Tensile strength ISO 527 max.	7,8 N/mm <sup>2</sup>
Strength-E-Module (DIN EN ISO 527)	9,6 N/mm <sup>2</sup>
Resistance to further tearing	31 kN/m
average tensile shear strength with Primer G according to DIN EN 1465 on	
Steel sand blasted	8 N/mm <sup>2</sup>
Sandblasted stainless steel	8 N/mm <sup>2</sup>

## 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.

Sand-blasted Aluminium	7 N/mm <sup>2</sup>
Galvanized steel	4 N/mm <sup>2</sup>
Swelling in water (7 days)	<1,5 %
Temperature resistance (wet)	-60 to +60 °C
Temperature resistance (dry)	-60 to +100 °C

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

## Storage

Store WEICON Urethane at room temperature (+20°C) in a dry place. Unopened containers can be stored for at least 6 months after delivery at temperatures from +18°C to +25°C. Opened containers must be used within 3 months.

## Safety and health

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

## Available sizes:

10800005	Urethane 85 workpackage 0,5 kg
10800540	Urethane 85 cartridge 540 g

## Accessories:

10653490	Dispenser 2 Comp., 10:1 490 ml
10809050	Primer G,
10953001	Processing Spatula,
10953003	Processing Spatula,
10953020	Contour Spatula Flexy,
13955050	Primer Applicator,

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