

**TECHNICAL DATA SHEET**

Creation Date: 16.11.2017

Trade name: Urethane 80



<b>Temperature resistance</b>	-60 to +90 °C
ISSA-Code	75.509.42
IMPA-Code	81 29 63

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

\*or after 24 hours at room temperature + 4 hours 70°C

**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:**

10518005 Urethane 80 0.5 kg

**Accessories:**

- 10519250 Colour Paste Black, 250 g
- 10604025 Mould Release Agent Liquid F 1000, 250 ml
- 10604515 Mould Release Agent Wax P 500, 150 g
- 10953001 Processing Spatula, short
- 11202400 Sealant and Adhesive Remover, 400 ml
- 11207400 Surface Cleaner, 400 ml
- 11450400 Mould Release Agent, 400 ml
- 11850200 Hand Protective Foam, 200 ml
- 13550125 Primer M 100, 250 ml
- 13550325 Primer S 300, 250 ml

**Shore hardness: A 80**

WEICON Urethanes are 2-component polyurethanes that cure at room temperature to tough rubber-like materials, remaining 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	Polyurethane
Colour after curing	light beige
Mixture (weight %) resin/hardener	100:80
Density of the mixture	1,00 g/cm <sup>3</sup>
Viscosity at +25°C (+77°F) resin/hardener	5.000/190 mPa·s
Viscosity of the mixture at 25°C (+77°F)	2.000 mPa·s
Pot-life at 20°C (+68°F) for 10ml material	25 min.
High mechanical load capacity / detachable after	12 -20 h
Final strength (100%) after	48* h
Tensile strength according to ISO 37	8,0 MPa
Elongation at break according to ISO 37	600 %
Resistance to further tearing	15 kN/m
Shore hardness A	80

**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.