

Urethane 80



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 (-76°F).

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.

ISSA: 75.509.42

IMPA: 81 29 63

Technical data

Composition	Polyurethane
Mixing ratio (weight %) Resin/Hardener	100:80
Pot life at +20°C	25 Min.
Density of the mixture	1,00 g/cm ³
Viscosity at + 25°C (Resin/Hardener)	5.000 / 190 mPa·s
Viscosity of the mixture at + 25°C	2.000 mPa·s
Cure time mechanical loads (50% strength) at (20°C):	12 - 20 hours
Cure time final strength (100% strength) at (20°C):	ca. 48* hours
Tensile strength acc. to ISO 37	8,0 MPa
Elongation at break acc. to ISO 37	600 %
Resistance to further tearing	15 kN/m
Shore hardness A	80
Colour after curing	light beige
Temperature resistance	- 60 bis + 90 °C

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

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

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.

Note

Any product specifications and recommendations given herein 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 warrant the continuously high quality of our products being free from defects in accordance with and subject to our General Sales Conditions. 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.

Health and Safety

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

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