

Technical Datasheet

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Urethane 80



Storage

Store 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 products, the physical, safety technical, toxicological and ecological data and regulations in our EC safety data sheets must be observed.

Shore hardness: A 80

Urethanes are 2-component polyurethanes that cure at room temperature to tough rubber-like materials, remaining flexible at temperatures down to even -60°C.

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 2K-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/cm³
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
Temperature resistance	-60 to +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

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