

Urethane 80



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) must be observed.

Available sizes:

10518005 Urethane 80 0.5 kg

Accessories:

10953001 Processing Spatula,
10953010 Stirrer Stainless Steel,
10953020 Contour Spatula Flexy,

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 ³
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)	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
ISSA-Code	75.509.42
IMPA-Code	812963

Information about surface pre-treatment and processing can be found in the manual. *or after 24 hours at room temperature + 4 hours 70°C

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.

WEICON GmbH & Co. KG
(Headquarters)
Germany
phone +49 (0) 251 9322 0
info@weicon.de
www.weicon.de

WEICON Middle East L.L.C.
United Arab Emirates
phone +971 4 880 25 05
info@weicon.ae
www.weicon.ae

WEICON Inc.
Canada
phone +1 877 620 8889
info@weicon.ca
www.weicon.ca

WEICON Kimya Sanayi Tic. Ltd. Şti.
Turkey
phone +90 (0) 212 465 33 65
info@weicon.com.tr
www.weicon.com.tr

WEICON Romania SRL
Romania
phone +40 (0) 3 65 730 763
office@weicon.com
www.weicon.com.ro

WEICON SA (Pty) Ltd
South Africa
phone +27 (0) 21 709 0088
info@weicon.co.za
www.weicon.co.za

WEICON South East Asia Pte Ltd
Singapore
phone (+65) 6710 7671
info@weicon.com.sg
www.weicon.com.sg

WEICON Czech Republic s.r.o.
Czech Republic
phone +42 (0) 417 533 013
info@weicon.cz
www.weicon.cz

WEICON Ibérica S.L.
Spain
phone +34 (0) 914 7997 34
info@weicon.es
www.weicon.es

WEICON Italia S.r.l.
Italy
phone (+39) 0102924871
info@weicon.it
www.weicon.it