

Urethane 45



Shore hardness: A 45

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	100:180
Density of the mixture	1,04 g/cm ³
Viscosity at +25°C (+77°F) resin/hardener	5.000/500 mPa·s
Viscosity of the mixture at 25°C (+77°F)	1.500 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	3,5 MPa
Elongation at break according to ISO 37	1.450 %
Resistance to further tearing	7,5 kN/m
Shore hardness A	45

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.

Temperature resistance	-60 to +90 °C
ISSA-Code	75.509.40
IMPA-Code	81 29 61

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) must be observed.

Available sizes:

10514005 Urethane 45 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

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

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

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

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

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

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