

Urethane 60



Shore hardness: A 60

WEICON Urethanes are 2-component coating and casting compounds based on polyurethane. They cure at room temperature to a rubber-like material and remain flexible down to -60 °C (-76 °F). WEICON Urethanes adhere to a variety of materials such as metals, concrete, rubber, wood, fibre glass, and many others. In combination with WEICON Plastic Metal epoxy resin systems, for example, they are suitable for flexible coatings. Due to their low sensitivity to humidity, the Urethanes can also be used for coatings in thin layers. WEICON Urethanes also show high tensile strength and tear resistance.

Characteristics

Base	polyurethane
Colour	light beige

Processing

Mixing ratio by weight	100:150
Mixing ratio by volume	100:165
Viscosity resin	at +25 °C 5.000 mPa·s
Viscosity hardener	at +25 °C 520 mPa·s
Viscosity of the mixture	at +25 °C 1.500 mPa·s
Density of the mixture	1,04 g/cm³

Curing

Pot life	at 20 °C 25 min.
Working strength after	12 - 20 h
Final strength	at room temperature 48* h

Mechanical properties after curing

Tensile strength	ISO 37 5 MPa
Elongation at break (tensile)	ISO 37 1250 %
Tear resistance	10 kN/m
Hardness (Shore A)	60

Thermal parameters

Temperature resistance	-60°C to +90°C
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Specific properties

IMPA Code	812962
ISSA Code	75.509.41

Instructions for use

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

Surface pre-treatment

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

Storage

Store WEICON Urethane at room temperature in a dry place. Unopened containers can be stored at temperatures of +18°C to +25°C for at least 6 months after delivery date. Opened containers must be used up within 3 months.

Scope of delivery

Resin & Hardener | Instructions for Use | Processing Spatula | Gloves

Accessories

10953001	Processing spatula, 1 PCE
10953010	Stirrer Stainless Steel, 1 PCE
10953020	Contour Spatula Flexy, 1 PCE

Conversion table

°C x 1,8) + 32 = °F	Nm x 8,851 = lb·in
mm/25,4 = inch	Nm x 0,738 = lb·ft
µm/25,4 = mil	x 141,62 = oz·in
N x 0,225 = lb	mPa·s = cP
N/mm² x 145 = psi	N/cm x 0,571 = lb/in
MPa x 145 = psi	kV/mm x 25,4 = V/mil

Available sizes:

10516005 Urethane 60, 0,5 kg, light beige

To the product detail page:



Note

Alle in diesem Technischen Datenblatt enthaltenen Angaben und Empfehlungen stellen keine zugesicherten Eigenschaften dar. Sie beruhen auf unseren Forschungsergebnissen und Erfahrungen. Sie sind jedoch unverbindlich, da wir für die Einhaltung der Verarbeitungsbedingungen nicht verantwortlich sein können, da uns die speziellen Anwendungsverhältnisse beim Verwender nicht bekannt sind. Eine Gewährleistung kann nur für die stets gleichbleibende hohe Qualität unserer Erzeugnisse übernommen werden. Wir empfehlen, durch ausreichende Eigenversuche festzustellen, ob von dem angegebenen Produkt die von Ihnen gewünschten Eigenschaften erbracht werden. Ein Anspruch daraus ist ausgeschlossen. Für falschen oder zweckfremden Einsatz trägt der Verarbeiter die alleinige Verantwortung.

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