

WEICON Pool Repair-Kit



cures reliably even under water | application on wet surfaces
| excellent adhesion

The WEICON Pool Repair-Kit is especially suitable for quick repair work under water. Its excellent adhesive strength enables application on wet surfaces. Thanks to the rapid curing process, it is perfect for repair work on tiles, mosaic tiles, etc.

Characteristics

Base	Epoxy
Filler	mineral
Texture	pasty
Colour	white
Minimum shelf life	at room temperature
	36 mon.

Processing

Processing temperature	+15 °C (+59 °F) to +40 °C (+104 °F)
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Component temperature	>3 °C above dew point
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Mixing ratio by weight	100:83
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Mixing ratio by volume	100:95
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Viscosity of the mixture	at +25 °C	550.000 mPa·s
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Density of the mixture		1,5 g/cm³
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Consumption	Layer thickness 1.0 mm	1,5 kg/m²
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Max. layer thickness	per step	10 mm
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Curing

Pot life	at 20 °C, 500 g batch	30 min.
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Additional layer after	(35 % strength)	7 h
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Working strength after	(80 % strength)	12 h
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Final strength	(100 % strength)	36 h
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Shrinkage		0,12 %
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Mechanical properties after curing

- Measured after curing at		24 h RT + 4 h +60 °C
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Tensile strength	DIN EN ISO 527-2	31 MPa
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Elongation at break (tensile)	DIN EN ISO 527-2	9,0 %
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Hardness (Shore D)	DIN ISO 7619	75±3
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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.

Thermal parameters

Temperature resistance

-35 °C (-4 °F) to + 160 °C
(+248 °F)

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

The successful application of WEICON Pool Repair-Kit depends on the careful preparation of the surfaces. This is the most important factor for ensuring overall success. Deposits of all kinds, algae and green stains, dust, dirt and rust negatively affect adhesion. The following points must therefore be observed before using WEICON Pool Repair-Kit:

The areas to be bonded or repaired must be free of any dirt, dust, rust, oxides, paint and other impurities or residues.

Smooth and very heavily soiled surfaces should additionally be treated mechanically, e.g. by sanding or brushing (Bristle Blaster).

After any mechanical pre-treatment, the surface should be thoroughly cleaned of dust using a vacuum cleaner and brush, for example. Protect the surface from further contamination until the coating is applied.

After preparing the surface, WEICON Pool Repair-Kit should be applied as soon as possible (within one hour).

Mixing

First, stir the resin. Then thoroughly mix the resin and hardener together for at least four minutes at 20°C (68°F) until there are no more bubbles. The included processing spatula can be used for this purpose. The components should be stirred until a homogeneous mixture is achieved.

The mixing ratio of the two components must be strictly observed, as otherwise strongly deviating physical values will result (max. deviation +/- 2 %).

Only prepare a batch as large as can be processed within the pot life of 30 minutes. The specified pot life refers to a material batch of 500 g and 20°C (68°F) material temperature. Mixing larger quantities or higher processing temperatures will result in faster curing due to the typical reaction heat of epoxy resins.

Application

We recommend an ambient temperature of 20 °C for application. For a thin pre-coat and to achieve maximum adhesion, use the Processing Spatula to work the WEICON Pool Repair-Kit thoroughly into the surface in crosswise layers. By means of this technique, the epoxy resin penetrates well

WEICON Pool Repair-Kit

into all cracks and roughness depths. Afterwards, further applications can be carried out straight away, until the desired layer thickness is reached. Make sure that the epoxy resin is applied evenly and without air bubbles. If WEICON Pool Repair-Kit is to be used as a coating, it is recommended to smooth the surface using a PE film and a rubber roller.

Curing

Final hardness is reached after 36 hours at 20 °C (68 °F) at the latest. At lower temperatures, curing can be accelerated by evenly applying heat up to max. 40 °C (104 °F). Higher temperatures shorten the curing time. The following rule of thumb applies: each increase by +10 °C (50 °F) above room temperature (20 °C/68 °F) will decrease the curing time by half. Temperatures below 16°C (61°F) increase the curing time, until at approx. 5°C (41°C) and below, almost no reaction will take place at all.

Storage

WEICON Epoxy Resin Systems should be stored in a dry place at room temperature. Unopened containers can be stored at temperatures from +18 °C to +28 °C. Opened containers must be used up within 6 months.

Scope of delivery

Processing Spatula | Gloves | Instructions for use

Accessories

10024313 Surface Cleaner, 400 ml, transparent
10022562 Processing Spatula long, 1 PCE

Recommended equipment

Smoothing trowel, spatula	Lint-free cloth
PE film 0.2 mm	Industrial vacuum cleaner
Rubber roller	

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	Nm 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

10102149 WEICON Pool Repair-Kit, 0,2 kg, white
10102879 WEICON Pool Repair-Kit, 2 kg, white
10102886 WEICON Pool Repair-Kit, 0,5 kg, white

To the product detail page:



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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

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

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

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

WEICON Italia S.r.l.
Italy
phone +39 (0) 010 2924 871
info@weicon.it

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