

WEICON Natural Stone Adhesive



fast | strong adhesion | for indoor & outdoor use

WEICON Natural Stone Adhesive is a strong adhesive for fixing natural stone, stone and ceramics. Thanks to its very high initial adhesion and rapid build-up of adhesive strength, bonding is even possible on vertical surfaces such as walls. The stone adhesive is suitable for many indoor and outdoor applications. It is frost-proof, has a high temperature resistance of -40°C to +90°C as well as high weather and UV resistance. The Natural Stone Adhesive hardens quickly and has a very high final strength. After curing, the adhesive can be sanded and remains elastic to compensate for movements. The stone adhesive is silicone-free, isocyanate-free, halogen-free and solvent-free.

It can be used in a wide variety of applications, e.g. for bonding window sills, tiles, skirting boards, decorative mouldings or stair treads. WEICON Natural Stone Adhesive adheres very well to a wide variety of materials, such as wood, wood-based materials, plastics, metals, glass and mineral substrates. It is available in grey and white.

Characteristics

Base	1C MS-polymer	
Texture	pasty	
Cure type	moisture-curing	
Can be painted	only "wet on wet" within 3 h at the latest	
Stability/run-off	ASTM D 2202	1.0 mm
Building material class	DIN 4102	B 2
Minimum shelf life	at room temperature	18 mon.

Processing

Curing condition	from +5°C to +40°C and 30% to 95% rel. air humidity	
Curing speed	in the first 24 h	2 -3 mm
Density	1,62 g/cm ³	
Max. sealing joint width	30 mm	
Gap bridging up to max.	10 mm	

Curing

Skin-over time	10 min.	
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Mechanical properties after curing

Tensile strength	ISO 37	1,9 N/mm ²
Elongation at break (tensile)	DIN 53504/ASTM D412	600 %
Tear resistance	DIN 53515 / ASTM D 1002	13 kN/m
Hardness (Shore A)	DIN ISO 7619	50±5
Shear strength according to DIN EN 1465		
	Medium lap shear strength (DIN EN 1465/ ASTM D 1002)	1,5 N/mm ²
Volume change	DIN 52451	-2 %

Thermal parameters

Temperature resistance	-40 °C to +90 °C	
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Approvals / Guidelines

MIL-Spec	complies with	
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Surface Pre-Treatment

The surfaces must be clean and free of grease. Many surface contaminants, such as oil, grease, dust and dirt, can be removed with WEICON Surface Cleaner. For heavily soiled metal surfaces, we recommend the use of WEICON Cleaner Spray S.

WEICON Sealant and Adhesive Remover is suitable for removing old paint residues or adhesive residues. Most materials can be bonded to each other. For certain materials or special requirements, we recommend the use of a bonding agent (primer) or of WEICON Activating Cleaner. Mechanical surface pre-treatment, e.g. by grinding or sandblasting, can also significantly improve adhesion.

Application

Application methods

Cartridge gun for 310 ml cartridges, compressed air gun – we recommend a version with piston rod (WEICON Compressed Air Cartridge Gun), automatic dosing systems.

Joining the components

To ensure optimum wetting, the bonded parts must be joined before the first skin has formed on the adhesive (skin-over time).

Storage

Store in the unopened original container at room temperature. Avoid sources of heat and direct sunlight.

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

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

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

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

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

WEICON Colombia S.A.S
Colombia
Phone: +57 314 793 86 06
Email: info@weicon.co

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

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

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

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

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

WEICON Natural Stone Adhesive

Elastic adhesives and sealants
MS-Polymers

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.

Accessories

- 10025241 V-Joint Nozzle, 1 PCE
- 10059792 Pressure gun Airflow 3, 1 PCE
- 10020751 Cartridge Gun Special, 1 PCE
- 10000441 Cartridge Gun, 1 PCE
- 10024313 Surface Cleaner, 400 ml, transparent
- 10000147 Cleaner Spray S, 500 ml, transparent
- 10062859 Activating Cleaner, 400 ml, transparent
- 10101992 Clip Nozzle Green Tube, 1 PCE, transparent

Available sizes

- 10105018 WEICON Natural Stone Adhesive, 280 ml (Green Tube), grey
- 10105025 WEICON Natural Stone Adhesive, 280 ml (Green Tube), white
- 10105021 WEICON Natural Stone Adhesive, 280 ml (Set), grey
- 10105028 WEICON Natural Stone Adhesive, 280 ml (Set), white

Conversion table

$(^{\circ}\text{C} \times 1.8) + 32 = ^{\circ}\text{F}$	$\text{Nm} \times 8.851 = \text{lb}\cdot\text{in}$
$\text{mm}/25.4 = \text{inch}$	$\text{Nm} \times 0.738 = \text{lb}\cdot\text{ft}$
$\mu\text{m}/25.4 = \text{mil}$	$\text{Nm} \times 141.62 = \text{oz}\cdot\text{in}$
$\text{N} \times 0.225 = \text{lb}$	$\text{mPa}\cdot\text{s} = \text{cP}$
$\text{N}/\text{mm}^2 \times 145 = \text{psi}$	$\text{N}/\text{cm} \times 0.571 = \text{lb}/\text{in}$
$\text{MPa} \times 145 = \text{psi}$	$\text{kV}/\text{mm} \times 25.4 = \text{V}/\text{mil}$

To the product detail page:



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