

Easy-Mix RK-7300 Structural Acrylic Adhesive



excellent adhesion on plastics and EPDM
high strength
highly viscous, impact resistant

WEICON Easy-Mix RK-7300 is a fast curing, solvent free structure and construction adhesive based on MMA (methyl methacrylate). RK-7300 adheres perfectly on a variety of materials and has a high adhesive strength.

It can be applied universally for static and dynamic loads. High strength bondings are also possible in case of low energy plastics, such as PE or PP.

Its high viscosity characteristics also permits material pairing with different expansion coefficients, such as plastic / aluminium or steel.

Special fillers (glass beads) ensure a consistent bonding line of 0.25 mm; maximum gap-bridging: 1 mm.

Technical Data

Base	Methyl methacrylate
Colour after curing	translucent / creamy white
Mixing ratio resin/hardener	1:1
Density of the mixture	1,00 g/cm ³
Viscosity of the mixture	170.000 - 200.000 mPa·s
Application procedure	Easy-Mix
Composition	pasty
Pot-life at +20°C (+68°F)	8 min.
Handling strength (35% strength) after	60 min.
Capable of bearing mechanical loads (50% strength) after	480 min.

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.

Processing temperature	+10 to +40 °C
Curing temperature	+18 °C
Final strength (100%) after	24 h
Adhesive gap bridging	0,25 - 1,0 mm
Shear strength according to DIN 53281 at:	
Aluminium	5 N/mm ²
Steel sand blasted	5 N/mm ²
Stainless Steel	4 N/mm ²
PC	6 N/mm ²
PMMA	6 N/mm ²
ABS	8 N/mm ²
Hard-PVC	11 N/mm ²
GRP	7 N/mm ²
CRP	7 N/mm ²
Polyamide 6.6	3 N/mm ²
POM (polyoxymethylene)	5 N/mm ²
PE-HD	5 N/mm ²
PP (polypropylene)	6 N/mm ²
PTFE (polytetrafluorethylene)	2 N/mm ²
EPDM (Shore A 70)	1 N/mm ²
Temperature resistance	-55 to +100 °C

Surface pre-treatment

The prerequisite for perfect adhesion are clean and dry surfaces (e.g. cleaning and degreasing with WEICON Surface Cleaner). Smooth surfaces can be roughened mechanically.

Processing

WEICON Easy-Mix products can be processed directly from the double cartridges with the help of the included static mixer. Reject the first 5 cm of the dosed bead. Apply adhesive to only one of the surfaces to be bonded. The pot life given is for a material quantity of 10 ml at room temperature. If larger quantities are used, the curing time will be faster. Similarly, higher ambient temperatures shorten the cure times (as a rule of thumb, every +10°C increase above room temperature will halve working and curing time). Temperatures below +16°C will extend working and curing times considerably, while below about +5°C, no reaction will take place at all.

Storage

The shelf life is 6 months when stored unopened at a normal climate (+23°C and 50 % rel. humidity).

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

Technical Datasheet

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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:

10569050 Easy-Mix RK-7300 Structural Acrylic Adhesive 50 ml

Accessories:

10650005 Mixing Nozzles Easy-Mix, Quadro
10653050 Dispenser D 50,
11207400 Surface Cleaner, 400 ml
11850200 Hand Protective Foam, 200 ml
12955175 Dosing Tips, Typ A Size 0,5

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