

# Easy-Mix RK-7300



**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

Composition	Methyl methacrylate
Mixing ratio resin / hardener	1 : 1
Density of the mixture	1,00 g/cm <sup>3</sup>
Colour after curing	translucent/ creamy white
Pot life at +20°C	approx. 8 Min.
Viscosity of the mixture	170.000 - 200.000 mPa·s
Handling strength (35%) after	approx. 1 h
Mechanical loads (50% strength) after	approx. 8 h
Final strength (100%) after	approx. 24 h
Adhesive gap bridging	0,25 - 1,0 mm

Average strength (+20°C) acc. to DIN 1465	
PA (polyamide)	3,1 N/mm <sup>2</sup>
PE-HD (polyethylene)	4,5 N/mm <sup>2</sup>
PP (polypropylene)	6,2 N/mm <sup>2</sup>
PC (polycarbonate)	6,0 N/mm <sup>2</sup>
Hart-PVC (rigid PVC)	10,5 N/mm <sup>2</sup>
PTFE (polytetrafluorethylene)	1,9 N/mm <sup>2</sup>
POM (polyoxymethylene)	4,7 N/mm <sup>2</sup>
VA-Steel	4,0 N/mm <sup>2</sup>
Aluminium	4,5 N/mm <sup>2</sup>
Steel bright	5,1 N/mm <sup>2</sup>
Shore hardness D DIN EN ISO 868	40 - 50
Temperature resistance	-55 to 100 °C

## Surface pretreatment

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).

## 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](http://www.weicon.com)) must be observed.

## Available sizes:

10569050 Easy-Mix RK-7300 50 g

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 GmbH & Co. KG  
 (Headquarters)  
 Germany  
 phone +49 (0) 251 9322 0  
[info@weicon.de](mailto:info@weicon.de)

WEICON Middle East L.L.C.  
 United Arab Emirates  
 phone +971 4 880 25 05  
[info@weicon.ae](mailto:info@weicon.ae)

WEICON Inc.  
 Canada  
 phone +1 877 620 8889  
[info@weicon.ca](mailto:info@weicon.ca)  
[www.weicon.ca](http://www.weicon.ca)

WEICON Kimya Sanayi Tic. Ltd. Şti.  
 Turkey  
 phone +90 (0) 212 465 33 65  
[info@weicon.com.tr](mailto:info@weicon.com.tr)  
[www.weicon.com.tr](http://www.weicon.com.tr)

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

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

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

WEICON Czech Republic s.co.  
 Czech Republic  
 phone +42 (0) 417 533 013  
[info@weiconcz.cz](mailto:info@weiconcz.cz)

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