

# Repair Stick Aluminium

## Introduction

The uncomplicated solution for all repair and maintenance work.

Easy to use:

Cut off - knead - use

Always the right portion, even for small repairs.



For quick non-rusting repairs and bonds of metal parts.

Patches and seals cracks, holes, leakages and surface damages on:

- car bodies
- transmission casings
- window frames and profiles
- boats
- model making (e.g. trains, cars, etc.)

Suitable as an universal repair compound in the whole hobby and garden sector.

## Technical data

Composition	Epoxy resin and aluminium fillers, putty
Pot life at 25 g material and at +20°C	4 Min.
Density of the mixture	1,6 g/cm <sup>3</sup>
Processing temperature	+10 to +35 °C
Curing temperature	+6 to +40 °C
Colour after curing	aluminium
Gap covering power to maximum	15 mm
Handling strength (35% strength/+20°C) after	10 Min.
Capable of bearing mechanical loads(50% strength/+2	1 h
Final strength (100%) at +20°C after	24 h
Pressure (DIN 53281-83)	80 N/mm <sup>2</sup>
Shore hardness D	75
Average tensile shear strength after 7 days	
ac. to DIN 53283	4,2 (Aluminium sandblasted) N/mm <sup>2</sup>
Temperature resistance	-50 to +120 (briefly +150) °C

## Pretreatment of the surface

To ensure a perfect bond, the surfaces to be joined must be clean and dry (e.g., clean and degrease using Cleaner S or Plastic Cleaner).

Smooth surfaces should be roughened, e.g. by sandblasting.

## Processing

WEICON Repair-Sticks cover gaps of max. 15 mm per procedure. The pot life given is for a material quantity of 25 g at room temperature. If larger quantities are used, the curing time will be faster due to the

typical reaction heat of epoxy resins (exothermic reaction).

Similarly, higher ambient temperatures shorten the cure time (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.

Physiological properties / health and safety at work

WEICON Repair Sticks, when properly handled and completely cured, are toxicologically essentially harmless. When using these adhesives, the physical, safety technical, toxicological and ecological data and regulations in our EC safety data sheets (www.weicon.de) must be observed.

## Storage

When kept at a constant room temperature of about +20°C and unopened in dry conditions, WEICON Repair Sticks will keep for at least 18 months.

Avoid direct sunlight.

## Note

Any product specifications and recommendations given herein 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 warrant the continuously high quality of our products being free from defects in accordance with and subject to our General Sales Conditions. 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 (Headquarter)

Königsberger Str. 255 · DE-48157 Münster  
P.O. Box 84 60 · DE-48045 Münster  
Germany

Tel. +49 (0) 251 / 93 22-0  
Fax +49 (0) 251 / 93 22-244  
Fax +49 (0) 251 / 93 22-233 Export  
www.weicon.de · info@weicon.de

### WEICON Middle East L.L.C.

Jebel Ali Ind Area 3 · P.O. Box 118 216  
Dubai · U.A.E

Phone +971 4 880 25 05  
Fax +971 4 880 25 09  
Mobile +971 50 545 99 83  
www.weicon.ae · info@weicon.ae

### WEICON Inc.

20 Steckle Place · Unit 20  
Kitchener · Ontario · N2E 2C3  
Canada

Phone +1 519 896 5252  
Fax +1 519 896 5254  
Cell +1 519 590 5168  
www.weicon.ca · info@weicon.ca

### WEICON Kimya Sanayi Tic. Ltd. Şti.

Yenibosna Mahallesi Yalçın Koreş Caddesi  
Arifağa Sokak No: 29 Kat: 3  
34530 Yenibosna – İstanbul Turkey  
www.weicon.biz.tr · info@weicon.biz.tr

### WEICON Romania SRL

Str. Depozitelor 22  
540240 Targu Mures, jud. Mures Romania  
www.weicon.com · office@weicon.com