Repair Stick Stainless Steel

non-corrosive
fast cure
stainless steel-filled

For non-corrosive repair and reconditioning of stainless steel and other rustproof metals, such as those in tanks and containers, filling and packing machines, pipes, lines, pumps and housings.

Due to the quick mechanical loading capacity of the mended parts (approx. 60 minutes), expensive and longer downtimes are avoided.

The WEICON Repair Stick Stainless Steel can be used in tank construction and apparatus engineering, in the foods, cosmetic and pharmaceutical industries and in many other applications.

Technical data

Composition	Epoxy resin and stainless steel fillers
Pot life at 25 g material and at +20°C	4 Min.
Density of the mixture	2 g/cm³
Processing temperature	+ 10 bis + 35 °C
Curing temperature	+ 10 bis + 40 °C
Colour after curing	grey
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/mm²
Shore hardness D	75
ac. to DIN 53283	3,9 N/mm²
Temperature resistance	- 50 bis + 120 (kurzz. bis 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.

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.

Health and Safety

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.

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