

# Pipe Repair-Kit



**The set is designed for the emergency repair of defective and damaged pipes and pipelines.**

It comprises one WEICON Repair Stick Steel, a special repair tape made of fibreglass-reinforced plastic, assembly instructions and a pair of protective gloves.

The repair tape is impregnated with a special resin and activated by contact with water.

The Pipe Repair-Kit can be processed without any additional tools and is used for the reliable and permanent sealing of cracks and leaks. It is very easy and quick to use and shows excellent adhesive properties, high pressure and chemical resistance as well as temperature resistance up to 150°C. Within 30 minutes, the tape is fully cured and hard-wearing.

Due to the fabric properties of the tape, the resulting high flexibility and the simple processing, the repair kit is particularly suitable for sealing leaks in bends, T-pieces or in spaces difficult to access.

It can be used on many different surfaces such as stainless steel, aluminium, copper, PVC, many plastics, fibreglass, concrete, ceramics and rubber.



## Technical Data

Technical Data Repair Stick Steel	
Base	epoxy resin steel-filled
Texture	pasty
Colour after curing	dark grey
Mixing ratio by volume resin/hardener	1:1
Density of the mixture	2,0 g/cm <sup>3</sup>
Gap bridging max.	15 mm
Processing temperature	+10 to +35 °C

### 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.

Curing temperature	+6 to +40 °C
Polt life for 25gr preparation and +20°C (+68°F)	4 min.
Handling strength (35% strength) after	10 min.
Capable of bearing mechanical loads (50% strength) after	60 min.
Final strength (100%) after	24 h
Pressure (DIN 53281-83)	80 N/mm <sup>2</sup>
Medium shear strength after 7 days at +20°C (+65°F) DIN EN 1465 at	steel sandblasted: 4,1 N/mm <sup>2</sup>
Shore hardness D	75
Thermal conductivity (ASTM D 257)	0,6 W/m·K
Linear shrinkage	<1 %
Electrical resistivity (ASTM D 149)	5•10 <sup>11</sup> Ohm/cm
Dielectric strength (ASTM D 149)	3,0 kV/mm
Thermal expansion coefficient (ISO 11359)	30-40 x 10 <sup>-6</sup> K <sup>-1</sup>
Temperature resistance	-50 to +120 briefly +150 °C

### Technical Data Repair Tape

Base	Polyurethane
Pot life at +20°C (+68°F)	3 - 5 min.
Handling strength (35% strength) after	7 - 10 min.
Final hardness after	30 min.
Tensile strength	35 N/mm <sup>2</sup>
Compressive strength	150 bar
Shore hardness D (ATSM D 1706)	70
Temperature resistance	to +150 °C

Information about surface pre-treatment and processing can be found in the manual.

### Storage

Store WEICON Pipe Repair-Kit at room temperature (but up to max. +25°C) in a dry place. Unopened containers can be stored for 24 months at temperatures from +18 to +25°C.

### 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:

10710001	Pipe Repair-Kit 5/15 (5 cm x 1,5 m)
10710002	Pipe Repair-Kit 5/35 (5 cm x 3,5 m)
10710003	Pipe Repair-Kit 10/35 (10 cm x 3,5 m)
10710004	Pipe Repair-Kit 12/100 (12,5 cm x 10 m)