

# Pipe Repair-Kit



## Set for the emergency repair of defective and damaged pipes and pipelines | drinking water approval

The set is ideal for the emergency repair of defective and damaged pipes and pipelines. It comprises one WEICON Repair Stick Multi-Purpose, a special repair tape made of fibreglass-reinforced plastic, assembly instructions and one pair of protective gloves.

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

The Pipe Repair-Kit can be processed without additional tools and provides reliable long-term sealing of cracks and leaks. It is very easy and fast to apply and shows excellent adhesive properties, high resistance to pressure and chemicals as well as high 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 easy application, the Repair-Kit is especially suitable for use on pipe bends, T-pieces, or areas difficult to reach.

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

### Technical data Tape

Basis	polyurethane	
Pot life	20°C	3-5 min.
Handling strength	(35 % strength)	7-10 min.
Final strength	(100 % strength)	30 min.
Tensile strength		35 MPa
Compressive strength		30 bar
Shore hardness D	ASTM D 1706	70
Temperature resistance		up to +150 °C

### Technical data Stick

Basis	epoxy resin	
Texture	modelling compound	
Filler	mineral	
Processing temperature	+15 °C up to +40 °C	
Component temperature	>3 °C above dew point	
relative air humidity	< 85 %	
Mixing ratio by volume	1:1	
Density of the mixture	1,9 g/cm³	
max. gap bridging	15 mm	
Pot life	20 °C, 10 g batch	~ 4 min.
Working strength	(80 % strength)	60 min.
Final strength	(100 % strength)	24 h
Shrinkage	<1,0 %	
Compressive strength	DIN EN ISO 604	55 MPa
Hardness (Shore D)	DIN ISO 7619	80±3
Adhesive strength	DIN EN ISO 4624	8 MPa
Temperature resistance	-50 °C to + 120 °C up to +150 °C	
Thermal conductivity	DIN EN ISO 22007-4	0,4 W/m·K
Resistance	DIN EN 62631-3-1	~ 5·10 <sup>11</sup> Ω·m
1071_Durchschlagfestigkeit_Stick		3,0 kV/mm
magnetic	no	

### Technical data Urea

Minimum shelf life	at room temperature	24 mon.
--------------------	---------------------	---------

### Approvals / Guidelines

NSF	NSF/ANSI Standard 61
IMPA Code	812431
MIL-Spec	complies with

### Instructions for use

When using WEICON products, the physical, safety-related, toxicological and ecological data and regulations in our EC safety data sheets ([www.weicon.com](http://www.weicon.com)) must be observed.

### Surface Pre-Treatment

The successful application of the WEICON Pipe Repair-Kit depends on the thorough surface pre-treatment. Dust, dirt, oil, grease, residues, rust, moisture or wetness have a negative impact on the adhesion. Best results are achieved on clean, solid and roughened surfaces.

The surfaces must be clean, dry and free of grease (metallically clean). Nearly all kinds of surface soiling, like old paint, oil, grease, dust and dirt, can be removed with WEICON Surface Cleaner or WEICON Sealant and Adhesive Remover. For heavily soiled or smooth surfaces, adhesion can be optimised by surface sanding with coarse abrasives.

#### 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.

WEICON Middle East L.L.C.  
United Arab Emirates  
phone +971 4 880 25 05  
info@weicon.ae

WEICON Czech Republic s.r.o.  
Czech Republic  
phone +42 (0) 417 533 013  
info@weicon.cz

WEICON GmbH & Co. KG  
(Headquarters) Germany  
phone +49 (0) 251 9322 0  
info@weicon.de

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

WEICON South East Asia Pte Ltd  
Singapore  
Phone (+65) 6710 7671  
info@weicon.com.sg

WEICON Colombia S.A.S  
Colombia  
Phone: +57 314 793 86 06  
Email: info@weicon.co

WEICON Inc.  
Canada  
phone +1 877 620 8889  
info@weicon.ca

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

WEICON Italia S.r.L.  
Italy  
phone +39 (0) 010 2924 871  
info@weicon.it

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

WEICON Kimya Sanayi Tic. Ltd. Şti.  
Türkiye  
phone +90 (0) 212 465 33 65  
info@weicon.com.tr

## Pipe Repair-Kit

### Application

#### 1. Surface pre-treatment

- no pressure in the pipe
- remove any rust and roughen the surface

#### 2. Application of WEICON Repair Stick

- cut to size, knead
- seal the leak

#### 3. Application of WEICON Pipe Repair-Tape

- immerse Repair Tape in clean water
- wrap Repair Tape around the leak



### Storage

Store at room temperature in a dry place. Unopened containers can be stored at temperatures from +18 °C to +25 °C. Protect from direct sunlight.

### Conversion table

$(^{\circ}\text{C} \times 1.8) + 32 = ^{\circ}\text{F}$   
 $\text{mm}/25.4 = \text{inch}$   
 $\mu\text{m}/25.4 = \text{mil}$   
 $\text{N} \times 0.225 = \text{lb}$   
 $\text{N}/\text{mm}^2 \times 145 = \text{psi}$   
 $\text{MPa} \times 145 = \text{psi}$

$\text{Nm} \times 8.851 = \text{lb}\cdot\text{in}$   
 $\text{Nm} \times 0.738 = \text{lb}\cdot\text{ft}$   
 $\text{Nm} \times 141.62 = \text{oz}\cdot\text{in}$   
 $\text{mPa}\cdot\text{s} = \text{cP}$   
 $\text{N}/\text{cm} \times 0.571 = \text{lb}/\text{in}$   
 $\text{kV}/\text{mm} \times 25.4 = \text{V}/\text{mil}$

### Available sizes

- 10055737 Pipe Repair-Kit, 1,5 m x 5 cm, vintage white
- 10055738 Pipe Repair-Kit, 3,5 m x 5 cm, vintage white
- 10055740 Pipe Repair-Kit, 3,5 m x 10 cm, vintage white
- 10057026 Pipe Repair-Kit, 10 m x 12,5 cm, vintage white

#### 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.

WEICON Middle East L.L.C.  
United Arab Emirates  
phone +971 4 880 25 05  
info@weicon.ae

WEICON Czech Republic s.r.o.  
Czech Republic  
phone +42 (0) 417 533 013  
info@weicon.cz

WEICON GmbH & Co. KG  
(Headquarters) Germany  
phone +49 (0) 251 9322 0  
info@weicon.de

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

WEICON South East Asia Pte Ltd  
Singapore  
Phone (+65) 6710 7671  
info@weicon.com.sg

WEICON Colombia S.A.S  
Colombia  
Phone: +57 314 793 86 06  
Email: info@weicon.co

WEICON Inc.  
Canada  
phone +1 877 620 8889  
info@weicon.ca

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

WEICON Italia S.r.L.  
Italy  
phone +39 (0) 010 2924 871  
info@weicon.it

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

WEICON Kimya Sanayi Tic. Ltd. Şti.  
Türkiye  
phone +90 (0) 212 465 33 65  
info@weicon.com.tr

# Pipe Repair-Kit

To the product detail  
page:



#### 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.

WEICON Middle East L.L.C.  
United Arab Emirates  
phone +971 4 880 25 05  
info@weicon.ae

WEICON Czech Republic s.r.o.  
Czech Republic  
phone +42 (0) 417 533 013  
info@weicon.cz

WEICON GmbH & Co. KG  
(Headquaters) Germany  
phone +49 (0) 251 9322 0  
info@weicon.de

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

WEICON South East Asia Pte Ltd  
Singapore  
Phone (+65) 6710 7671  
info@weicon.com.sg

WEICON Colombia S.A.S  
Colombia  
Phone: +57 314 793 86 06  
Email: info@weicon.co

WEICON Inc.  
Canada  
phone +1 877 620 8889  
info@weicon.ca

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

WEICON Italia S.r.L.  
Italy  
phone +39 (0) 010 2924 871  
info@weicon.it

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

WEICON Kimya Sanayi Tic. Ltd. Şti.  
Türkiye  
phone +90 (0) 212 465 33 65  
info@weicon.com.tr

# Pipe Repair-Kit

## Chemical resistance after curing\* (Excerpt)

1,4-Dioxane	-	Glycol	+
Exhaust fumes	+	Uric acid	-
Adipic acid	-	Impregnating oils	+
aliphatic hydrocarbons	+	Iodides (K, Na etc.)	-
Formic acid >10 % (methanoic acid)	-	Potassium carbonate	+
Ammonia anhydrous 25%	-	Potassium hydroxide 0-20 % (caustic potash)	+
Aniline	-	Milk of lime	+
aromatic hydrocarbons	+	Cresol	-
Barium hydroxide	+	Magnesium hydroxide	+
Benzoic acid	-	Maleic acid (cis-ethylenedicarboxylic acid)	-
Benzyl alcohol	-	Methanol (methyl alcohol ) <85 %	o
Benzyl chloride	-	Methylene chloride	-
Boric acid	-	Mineral oil	+
Bromides	-	Naphthalene	+
Butadiene (1,3-)	-	Sodium bicarbonate (sodium hydrogen carbonate)	+
Butyric acid	-	Sodium carbonate (soda)	+
Butyl acetate	o	Sodium chloride (table salt)	+
Butyl alcohol	o	Nitrates	-
Calcium hydroxide (slaked lime)	+	Nitrobenzene	-
Chloroanilines	-	Oils, vegetable and animal	+
Chloroform (trichlormethane)	-	Oxalic acid <25 % (ethanedioic acid)	o
Chlorosulphuric acid (wet and dry)	-	Perchloraethylene	-
Chlorosilanes	-	Kerosene	+
Chlorinated water (swimming pool concentration)	-	Phenol	-
Chromates (K, Na, etc.)	-	Phosphoric acid <50%	+
Chromic acid	-	Phthalic acid, phthalic anhydride	-
Cyanides (K, Na etc.)	-	Nitric acid <5%	-
Cyclohexanone	-	Sulphur dioxide (wet and dry)	-
Diethyl ether	+	Carbon disulphide	-
Mineral oil and mineral oil products	+	Sulphuric acid <5%	+
Acetic acid diluted <5%	o	Soap solution	+
Ethanol <85 % (ethyl alcohol)	o	Turpentine	+
Greases, oils and waxes	+	Carbon tetrachloride (tetrachloromethane)	-
Hydrofluoric acid	-	Tetralin (tetrahydronaphthalene)	-
Tannic acid diluted <7%	o	Trichloraethylene	-
Glycerin (trihydroxipropane)	+	Hydrogen peroxide <30 % (hydrogen superoxide)	o

+ = resistant 0 = for a limited time - = not resistant \*The storage of all WEICON Plastic Metal types was carried out at +20°C chemical temperature.

**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.

WEICON Middle East L.L.C.  
United Arab Emirates  
phone +971 4 880 25 05  
info@weicon.ae

WEICON Czech Republic s.r.o.  
Czech Republic  
phone +42 (0) 417 533 013  
info@weicon.cz

WEICON GmbH & Co. KG  
(Headquarters) Germany  
phone +49 (0) 251 9322 0  
info@weicon.de

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

WEICON South East Asia Pte Ltd  
Singapore  
Phone (+65) 6710 7671  
info@weicon.com.sg

WEICON Colombia S.A.S  
Colombia  
Phone: +57 314 793 86 06  
Email: info@weicon.co

WEICON Inc.  
Canada  
phone +1 877 620 8889  
info@weicon.ca

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

WEICON Italia S.r.L.  
Italy  
phone +39 (0) 010 2924 871  
info@weicon.it

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

WEICON Kimya Sanayi Tic. Ltd. Şti.  
Türkiye  
phone +90 (0) 212 465 33 65  
info@weicon.com.tr