

#### Application

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.

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 heat reaction of epoxy resins (exothermic reaction).

Similarly, higher ambient temperatures shorten the cure time (as a rule of thumb, every  $+10^{\circ}\text{C}$  ( $+50^{\circ}F$ ) increase above room temperature will halve working and curing time). Temperatures below  $+16^{\circ}\text{C}$  ( $+61^{\circ}F$ ) will extend working and curing times considerably, while below about  $+5^{\circ}\text{C}$  ( $+41^{\circ}F$ ), 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.com) must be observed.

#### **Storage**

When kept at a constant room temperature of about  $+20^{\circ}$ C ( $+68^{\circ}$ F) and unopened in dry conditions, WEICON Repair Sticks will keep for at least 18 months. Avoid direct sunlight.



# **Repair Sticks**

The uncomplicated solution for all repair and maintenance work.

Easy to use:







Always the right portion, even for small repairs.

WEICON Repair Sticks are temperature resistant from -50°C (-58°F) up to +120°C (+248°F) (briefly up to +150°C/+302°F). They resist to alcohol, ester, salt water, oils, most acids and lyes, are free of solvents and cure with almost no shrinkage.

The cured product can be machined (drilled, filed, tapped) and overpainted without pre-treatment.

WEICON Repair Sticks bond:

- Metal
- Hard-plastics\*
- Fibre-reinforced materials
- Wood
- · Glass / ceramic / stone

For various applications there are nine different Repair Sticks to chose from.

\*Except for plastics such as polyethylene, polypropylene, polyacetal, polytetrafluoroethylene and other fluorinated hydrocarbons with naturally adhesive-rejecting surfaces.







#### **Repair Stick Aluminium**

#### Non-rusting, aluminium-filled

For the quick and nonrusting repair and bonding of metal parts. For the repair of cracks, holes and leaks in car bodies, gearboxes and tanks, window frames and profiles, and boats and models.

The WEICON Repair Stick Aluminium can be used in machine and system construction, in the automotive industry, in gear construction, window construction, model building and many other applications.

57 g 🕤

115 g 🕥



#### **Technical Data**

Composition	Epoxy resin aluminium-filled, pasty
Pot-life at +20°C (+68°F) (25 g material)	4 min.
Density of the mixture	1,6 g/cm <sup>3</sup>
Processing temperature	+10 to +35°C (+50 to +95°F)
Curing temperature	+6 to +40°C (+41 to +104°F)
Colour after curing	aluminium
Gap covering power to max.	15 mm
Handling strength (35% strength/+20°C/+68°F) after	10 min.
Capable of bearing mechanical loads (50% strength/+20°C/+68°F) after	1 h
Final strength (100% strength/+20°C/+68°F) after	24 h
Pressure (DIN 53281-83)	80 N/mm² (11.600 psi)
Shore hardness D	75
Average tensile shear strength after 7 days	4,2 N/mm² (610 psi) (aluminium sandblasted)
Temperature resistance	-50 to +120°C (-58 to +248°F) (briefly to +150°C/+302°F)

### **Repair Stick Aqua**

#### For underwater applications, ceramic-filled

Ideal for quick repairs on damp and wet surfaces and for underwater applications.

For the repair and sealing of cracks, holes, and leaks in petrol and water tanks, radiators, electrical switchboards, sanitary installations and swimming pools.

The WEICON Repair Stick Aqua can be used in sanitary and heating system construction, electrical equipment, the maritime sector and many additional industrial applications.

57 g 🕤

115 g 😿



Composition	Epoxy resin ceramic- filled, pasty
Pot-life at +20°C (+68°F) (25 g material)	15 min.
Density of the mixture	1,9 g/cm <sup>3</sup>
Processing temperature	+10 to +40°C (+50 to +104°F)
Curing temperature	+6 to +40°C (+41 to +104°F)
Colour after curing	white
Gap covering power to max.	15 mm
Handling strength (35% strength/+20°C/+68°F) after	30 min.
Capable of bearing mechanical loads (50% strength/+20°C/+68°F) after	1 h
Final strength (100% strength/+20°C/+68°F) after	24 h
Pressure (DIN 53281-83)	75 N/mm² (10.875 psi)
Shore hardness D	65
Average tensile shear strength after 7 days	6,2 N/mm² (899 psi) (steel sandblasted)
Temperature resistance	-50 to +120°C (-58 to +248°F)



# **Repair Sticks**

#### Technical Data

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Composition	Epoxy resin ceramic- filled, pasty
Pot-life at +20°C (+68°F) (25 g material)	6 min.
Density of the mixture	1,9 g/cm <sup>3</sup>
Processing temperature	+10 to +35°C (+50 to +95°F)
Curing temperature	+6 to +40°C (+41 to +104°F)
Colour after curing	concrete grey
Gap covering power to max.	15 mm
Handling strength (35% strength/+20°C/+68°F) after	15 min.
Capable of bearing mechanical loads (50% strength/+20°C/+68°F) after	1 h
Final strength (100% strength/+20°C/+68°F) after	24 h
Pressure (DIN 53281-83)	80 N/mm² (11.600 psi)
Shore hardness D	80
Average tensile shear strength after 7 days	4,8 N/mm² (696 psi)
Temperature resistance	-50 to +120°C (-58 to +248°F)

#### **Repair Stick Concrete**

Fast cure, ceramic-filled

Especially for quick repair and reconditioning of all concrete, stone and ceramic surfaces.

Fills and seals cracks and defects on masonry, stone, concrete and ceramic tiles and on bricks, borders, kerbstones, statues, tombstones and ornaments. It can also be used for the reinforcement of pegs, screws and anchors in outdoor and indoor areas.

The WEICON Repair Stick Concrete can be used in the construction industry, in gardening and landscaping, and in many other applications.



115 g 🍯 10537115







#### **Repair Stick Stainless Steel**

Non-corrosive, fast cure, stainless steel-filled, NSF approval, can be used in drinking water areas

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.

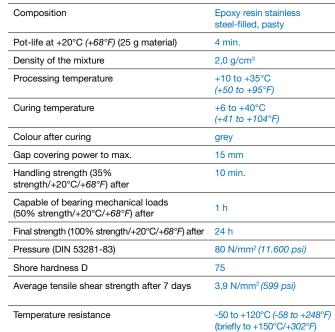
The WEICON Repair Stick Stainless Steel can be used in tank construction and apparatus engineering, in the foods, cosmetic and pharmaceutical industries and in many other applications.

57 g 🕤

115 g 🕥



Clearance certificate for the direct use in the food industry, according to the NSF/ANSI (Standard 61)









# **Repair Sticks**

#### **Repair Stick Wood**

#### Residual elasticity, mineral-filled

For permanent repairs of wooden parts with residual elasticity and without shrinkage. For the repair of cracks and bore holes, broken out or broken off wooden parts and for the sealing of joints on windows and door frames, veneers, boards and planks, models and wooden toys.

WEICON Repair Stick Wood can be used in the wood and furniture industry, in model building and in many other applications.

28 g 10532057

56 g 10532115



#### **Repair Stick Plastic**

Plastic-filled, NSF approval, can be used in drinking water areas

Especially for the permanent repair of plastic components and composite materials with residual elasticity such as window and door frames, panelling and bumper bars.

For the bonding of metal parts such as pipes and pipe bends, fittings and flanges, water tanks, pumps and housings.

57 g 😿

115 g 🕤



#### **Technical Data**

Composition	Epoxy resin mineral- filled, pasty
Pot-life at +20°C (+68°F) (25 g material)	15 min.
Density of the mixture	0,9 g/cm <sup>3</sup>
Processing temperature	+10 to +40°C (+50 to +104°F)
Curing temperature	+6 to +40°C (+41 to +104°F)
Colour after curing	light beige
Gap covering power to max.	15 mm
Handling strength (35% strength/+20°C/+68°F) after	45 min.
Capable of bearing mechanical loads (50% strength/+20°C/+68°F) after	1 h
Final strength (100% strength/+20°C/+68°F) after	24 h
Pressure (DIN 53281-83)	75 N/mm² (10.875 psi)
Shore hardness D	70
Average tensile shear strength after 7 days	6,2 N/mm² (899 psi) (Beech sanded)
Temperature resistance	-50 to +120°C (-58 to +248°F) (briefly to +150°C/+302°F)



Restoration of a picture frame

Composition	Epoxy resin and plastic fillers, pasty
Pot-life at +20°C (+68°F) (25 g material)	20 min.
Density of the mixture	1,6 g/cm <sup>3</sup>
Processing temperature	+10 to +40°C (+50 to +104°F)
Curing temperature	+6 to +40°C (+41 to +104°F)
Colour after curing	light blue
Gap covering power to max.	15 mm
Handling strength (35% strength/+20°C/+68°F) after	40 min.
Capable of bearing mechanical loads (50% strength/+20°C/+68°F) after	3 h
Final strength (100% strength/+20°C/+68°F) after	36 h
Pressure (DIN 53281-83)	65 N/mm² (9.400 psi)
Shore hardness D	65
Average tensile shear strength after 7 days	2,4 N/mm² (348 psi) (PVC sanded)
Temperature resistance	-50 to +120°C (-58 to +248°F) (briefly to +150°C/+302°F)



#### **Repair Stick Copper**

Extremely fast cure, copperfilled, NSF approval, can be used in drinking water areas

The WEICON Repair Stick Copper is suited for the very quick repair (processing time: 3 min.) of cracks and leaks even on damp and wet surfaces such as pipes, pipe bends, fittings, flanges, copper gutters, sheets, water heaters, water tanks, hot, cold water lines, freezer and air conditioning systems.

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

57 g 🍯 10530057

115 g 🍯 10530115





#### **Technical Data**

Composition	Epoxy resin copper-filled, pasty
Pot-life at +20°C (+68°F) (25 g material)	3 min.
Density of the mixture	1,9 g/cm <sup>3</sup>
Processing temperature	+10 to +30°C (+50 to +86°F)
Curing temperature	+6 to +40°C (+43 to +104°F)
Colour after curing	copper
Gap covering power to max.	15 mm
Handling strength (35% strength/+20°C/+68°F) after	10 min.
Capable of bearing mechanical loads (50% strength/+20°C/+68°F) after	1 h
Final strength (100% strength/+20°C/+68°F) after	24 h
Pressure (DIN 53281-83)	80 N/mm² (11.600 psi)
Shore hardness D	80
Average tensile shear strength after 7 days	4,8 N/mm² (696 psi) (copper sandblasted)
Temperature resistance	-50 to +120°C (-58 to +248°F)

(briefly to +150°C/+302°F)







# **Repair Sticks**

#### **Repair Stick Steel**

Fast cure, steel-filled, NSF approval, can be used in drinking water areas



It is particularly suited for the fast and highstrength repair and bonding of metal parts and for the patching and sealing of cracks, holes, and leaks in machine parts, tanks and pipelines, containers, pumps and housings, balcony railings, banisters, and torn-out threads.

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

57 g 🕤

115 g 🕤



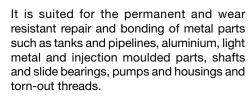
Clearance certificate for the direct use in the food industry, according to the NSF/ANSI (Standard 61)

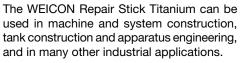
#### **Technical Data**

Composition	Epoxy resin steel-filled, pasty
Pot-life at +20°C (+68°F) (25 g material)	4 min.
Density of the mixture	2,0 g/cm <sup>3</sup>
Processing temperature	+10 to +35°C (+50 to +95°F)
Curing temperature	+6 to +40°C (+43 to +104°F)
Colour after curing	dark-grey
Gap covering power to max.	15 mm
Handling strength (35% strength/+20°C/+68°F) after	10 min.
Capable of bearing mechanical loads (50% strength/+20°C/+68°F) after	1 h
Final strength (100% strength/+20°C/+68°F) after	24 h
Pressure (DIN 53281-83)	80 N/mm² (11.600 psi)
Shore hardness D	75
Average tensile shear strength after 7 days	4,1 N/mm² (595 psi) (sandblasted)
Temperature resistance	-50 to +120°C (-58 to +248°F) (briefly to +150°C/+302°F)

#### **Repair Stick Titanium**

Wear resistant, titanium-filled, high temperature resistant up to +280°C (+536°F) (briefly up to +300°C/+572°F)











Composition	Epoxy resin titanium- filled, pasty
Pot-life at +20°C (+68°F) (25 g material)	30 min.
Density of the mixture	1,9 g/cm <sup>3</sup>
Processing temperature	+10 to +50°C (+50 to +122°F)
Curing temperature	+6 to +65°C (+43 to +149°F)
Colour after curing	grey-green
Gap covering power to max.	15 mm
Handling strength (35% strength/+20°C/+68°F) after	60 min.
Capable of bearing mechanical loads (50% strength/+20°C/+68°F) after	4 h
Final strength (100% strength/+20°C/+68°F) after	48 h (24h at +65°C/149°F)
Pressure (DIN 53281-83)	80 N/mm² (11.600 psi)
Shore hardness D	80
Average tensile shear strength after 7 days	7,5 N/mm² (1.080 psi) (Steel sandblasted)
Temperature resistance	-50 to +280°C (-58 to +536°F) (briefly to +300°C/+572°F)

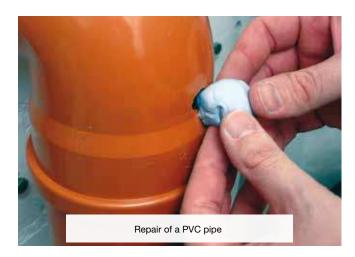


## Type selection table

	Aluminium	Aqua	Concrete	Stainless steel	Wood	Plastic	Copper	Steel	Titanium
Metals (e.g. aluminium, cast iron, brass, stainless steel)	++	++	+	++	+	+	++	++	++
Hard plastics* (e.g. epoxy resin, rigid PVC)	+	++	+	+	+	++	+	+	+
Fibre-reinforced materials (e.g. GFRP, CFRP, fibreglass)	+	+	+	+	+	++	+	+	+
Wood (e.g oak, beech, spruce, balsa)	+	+	+	+	++	+	+	+	+
Derived timber products (e.g. plywood, MDF)	+	+	+	+	++	+	+	+	+
Glass, ceramics	+	++	+	+	+	+	+	+	+
Stone (e.g. marble, granite, brick, concrete)	+	++	++	+	+	+	+	+	+
Rubber / elastomers	-	-	-	-	-	-	-	-	-

Highly suitable (++) Suitable (+) Not suitable (-)
\*Except for plastics such as polyethylene, polypropylene, polyacetal, polytetrafluoroethylene and other fluorinated hydrocarbons with naturally adhesive-rejecting surfaces. Within the framework of the above type recommendations, bonding of dissimilar material pairs such as metals and plastics is also possible.







# **Repair Sticks**

			WEICON Repair-Sticks in non-cured condition								
			Aluminium	Aqua	Concrete	Stainless steel	Wood	Plastic	Copper	Steel	Titanium
Basis:			Epoxy resin aluminium fillers	Epoxy resin ceramic fillers	Epoxy resin ceramic fillers	Epoxy resin stainless steel fillers	Epoxy resin mineral fillers	Epoxy resin plastic fillers	Epoxy resin copper fillers	Epoxy resin metal fillers	Epoxy resin titanium fillers
Nature:			putty								
Supplied	in:						Stick				
Contents			57 g / 115 g	57 g / 115 g	57 g / 115 g	57 g / 115 g	28 g / 56 g	57 g / 115 g	57 g / 115 g	57 g / 115 g	57 g / 115 g
	oportion by						1:1				
	vith 25 g ma 68°F) (in mir	terial and at nutes):	4	15	6	4	15	20	3	4	30
Density o	of the mixture	e (g/cm³):	1,6	1,9	1,9	2,0	0,9	1,6	1,9	2,0	1,9
		Processing: *1	+10 to +35 (+50 to +95)	+10 to +40 (+50 to +104)	+10 to +35 (+50 to +95)	+10 to +35 (+50 to +95)	+10 to +40 (+50 to +104)	+10 to +40 (+50 to +104)	+10 to +30 (+50 to +86)	+10 to +35 (+50 to +95)	+10 to +50 (+50 to +122)
Tempera	ure °C <i>(°F)</i>	Curing:	+6 to +40 (+43 to +104)	+6 to +40 (+43 to +104)	+6 to +40 (+43 to +104)	+6 to +40 (+43 to +104)	+6 to +40 (+43 to +104)	+6 to +40 (+43 to +104)	+6 to +40 (+43 to +104)	+6 to +40 (+43 to +104)	+6 to +65 (+43 to +149)
Colour at	ter curing:	<u>I</u>	aluminium	white	concrete-grey	grey	light beige	light blue	copper	dark-grey	grey-green
Gap covering power to max.:*2		15 mm									
t 'F)	Handling s		10 min.	30 min.	15 min.	10 min.	45 min.	40 min.	10 min.	10 min.	1 hrs.
ng time at :0°C (+68°F)	Capable o mechanica (50% strer	al loads	60 min.	60 min.	60 min.	60 min.	60 min.	3 hrs.	60 min.	60 min.	4 hrs.
Curing t bei +20°C	Final stren		24 hrs.	24 hrs.	24 hrs.	24 hrs.	24 hrs.	36 hrs.	24 hrs.	24 hrs.	48 hrs. (24 hrs. at +65°C/+149°F)
			WEICON Repair-Sticks in cured condition								
Pressure	(DIN 53281-	-83) N/mm² ( <i>psi</i> ):	80 N/mm² (11.600)	75 N/mm² (10.875)	80 N/mm² (11.600)	80 N/mm² <i>(11.600)</i>	75 N/mm² (10.875)	65 N/mm² (9.425)	80 N/mm² (11.600)	80 N/mm² (11.600)	80 N/mm² (11.600)
Shore ha	rdness D:		75	65	80	75	70	65	80	75	80
	tensile shea		Aluminium sandblasted	Steel sandblasted	Concrete	Stainless steel sandblasted	Beech sanded	PVC sanded	Copper sandblasted	Steel sandblasted	Steel sandblasted
	ays at +20°C ace with DIN	5 (+68° <i>F)</i> in 53283 N/mm² ( <i>psi</i> ):	4,2 N/mm² (609)	6,2 N/mm² (899)	4,8 N/mm² (696)	3,9 N/mm² (566)	6,2 N/mm² (899)	2,4 N/mm² (348)	4,8 N/mm² (696)	4,1 N/mm² (595)	7,5 N/mm² (1.080)
Temperature resistance °C (°F):		-50 to +120, briefly +150 briefly (-58 to +248, briefly +302) (-58 to							-50 to +280, briefly +300 (-58 to +536, briefly +572)		
Thermal conductivity (ASTM D 257):		0,65 W/m·K	0,50 W/m·K	0,50 W/m·K	0,60 W/m·K	0,30 W/m·K	0,40 W/m·K	0,70 W/m·K	0,60 W/m·K	0,50 W/m·K	
Linear shrinkage:		< 1%									
Electrical (ASTM D	resistance 257):		5 · 10¹¹ Ω/cm								
Dielectric	strength 149):		3,0 kV/mm								
Thermal expansion coefficient (ISO 11359):		30-40 x 10 <sup>-6</sup> k <sup>-1</sup>									

<sup>\*1</sup> For easier workability when ambient temperatures are low, the sticks should be warmed up to room temperature (20°C/+68°F) before application.

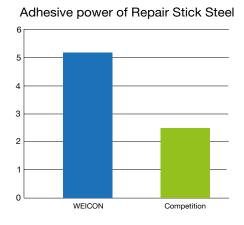
<sup>\*2</sup> Max. 15 mm per procedure



#### **Test Results**

We have conducted a series of laboratory tests to compare sticks from various countries. Some of the test results are summarised in the tables shown below.

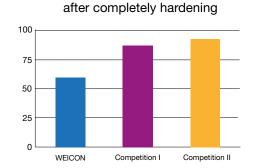
# Adhesive power in N/mm²





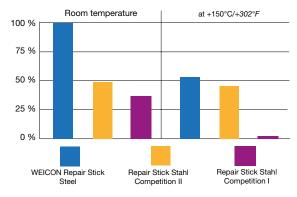






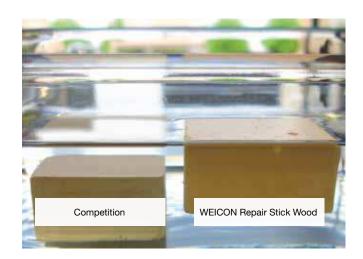
Shore hardness D Repair Stick Plastic

#### Tensile shear strength on steel



#### **WEICON Repair Stick Wood**

A special item in the product range is the Repair Stick Wood. It was developed for carrying out repairs on furniture, shelving, etc. To enable a "seamless" repair, it was given the same density as wood. Following curing it can be processed like wood, e.g. sanded and painted over. In the test shown below the WEICON Repair Stick floats on the surface like wood, while competitive products sink to the bottom due to their high density.





# **Repair Sticks**

## Chemical resistance of WEICON Repair Sticks after curing\*

Acetone	Acetic acid dilute < 5%	+	Hydrocarbons, aliphatic (crude oil derivatives)	+
Amyl acetate         +         Hydrochloric acid 10 - 20%         +           Amyl alcohols         +         Hydrofluoric acid dilute         0           Anhydrous ammonia 25%         +         Hydrogen peroxide - 30% (hydrogen superoxide)         +           Burly acetate         +         Magnesium hydroxide         +           Butyl acohol         +         Magnesium hydroxide         +           Calcium hydroxide (slaked lime)         +         Methanol (methyl alcohol) - 85%         0           Carbolic acid (ghenol)         -         Milk off lime         +           Carbon disulphide         +         Naphthalene         -           Carbon tetrachloride (tetrachloromethane)         +         Naphthalene         -           Carbon disulphide         +         Naphthalene	Acetone	0	Hydrocarbons, aromatic (benzene, toluene, xylene)	-
Amyl alcohols	Alkalis (basic materials)	+	Hydrochloric acid < 10%	+
Anhydrous ammonia 25%	Amyl acetate	+	Hydrochloric acid 10 - 20%	+
Barlum hydroxide	Amyl alcohols	+	Hydrofluoric acid dilute	0
Butyl acetate	Anhydrous ammonia 25%	+	Hydrogen peroxide < 30% (hydrogen superoxide)	+
Butyl alcohol	Barium hydroxide	+	Impregnating oils	+
Calcium hydroxide (slaked lime)         +         Methanol (methyl alcohol) < 85%	Butyl acetate	+	Magnesium hydroxide	+
Carbolic acid (phenol)         - Milk of lime         +           Carbon disulphide         + Naphthalene         -           Carbon tetrachloride (tetrachloromethane)         + Naphthalene         -           Caustic potash solution         + Nitric acid < 5%	Butyl alcohol	+	Maleic acid (cis-butenedioic acid)	+
Carbon disulphide         + Naphthalene         -           Carbon tetrachloride (tetrachloromethane)         + Naphthane         -           Caustic potash solution         + Nitric acid < 5%	Calcium hydroxide (slaked lime)	+	Methanol (methyl alcohol) < 85%	0
Carbon tetrachloride (tetrachloromethane)         + Naphthene         -           Caustic potash solution         + Nitric acid < 5%	Carbolic acid (phenol)	-	Milk of lime	+
Caustic potash solution         +         Nitric acid < 5%	Carbon disulphide	+	Naphthalene	-
Chlorinated water         + Olls, minerals         +           Chloroacetic acid         - Oils, vegetable and animal         +           Chloroform (trichloromethane)         0 Oxalic acid < 25% (ethanedioic acid)	Carbon tetrachloride (tetrachloromethane)	+	Naphthene	-
Chloroacetic acid         - Oils, vegetable and animal         +           Chloroform (trichloromethane)         0 Oxalic acid < 25% (ethanedioic acid)	Caustic potash solution	+	Nitric acid < 5%	0
Chloroform (trichloromethane)         0         Oxalic acid < 25% (ethanedioic acid)	Chlorinated water	+	Oils, minerals	+
Chlorosulphonic acid         -         Paraffin         +           Chromic acid         +         Perchloroethylene         0           Chroming baths         +         Petrol (92 - 100 octane)         +           Creosote oil         -         Phosphoric acid < 5%	Chloroacetic acid	-	Oils, vegetable and animal	+
Chromic acid         +         Perchloroethylene         0           Chroming baths         +         Petrol (92 - 100 octane)         +           Cresole oil         -         Phosphoric acid < 5%	Chloroform (trichloromethane)	0	Oxalic acid < 25% (ethanedioic acid)	+
Chroming baths         +         Petrol (92 - 100 octane)         +           Creosote oil         -         Phosphoric acid < 55%	Chlorosulphonic acid	-	Paraffin	+
Creosote oil         -         Phosphoric acid < 5%	Chromic acid	+	Perchloroethylene	0
Cresylic acid - Phthalic acid, phthalic acid anhydride + Potassium carbonate (potash solution) + Potassium carbonate (potash solution) + Potassium carbonate (potash solution) + Potassium pydroxide (caustic potash) 0 - 20% + Potassium hydroxide (caustic potash) 0 - 20% + Potassium pydroxide (sodium pydrogen carbonate) + Potassium pydroxide (sodium pydrogen carbonate) + Potassium pydroxide (caustic sodium pydrogen carbonate) + Potasium pydroxide (caustic sodium pydroxide (caustic pydroxide (caustic pydroxide (caustic pydroxide) + Potavida pydroxide (caustic pydroxide (	Chroming baths	+	Petrol (92 - 100 octane)	+
Crude oil       +       Potassium carbonate (potash solution)       +         Crude oil and crude oil products       +       Potassium hydroxide (caustic potash) 0 - 20%       +         Diesel fuel oil       +       Soda lye       +         Ethanol < 85% (ethyl alcohol)	Creosote oil	-	Phosphoric acid < 5%	+
Crude oil and crude oil products + Potassium hydroxide (caustic potash) 0 - 20% +  Ethanol < 85% (ethyl alcohol) 0 Sodium bicarbonate (sodium hydrogen carbonate) +  Ethyl alcohol 0 Sodium carbonate (soda) +  Ethyl benzole - Sodium chloride (cooking salt) +  Ethyl ether + Sodium hydroxide < 20% (caustic soda) 0  Exhaust gases + Sulphur dioxide +  Formic acid > 10% - Sulphuric acid < 5% 0  Glycerine (trihydroxypropane) + Tannic acid dilute < 7% +  Glycol 0 Tetralin (tetrahydronaphthalene) 0  Grease, oils and waxes + Toluene  Heating oil, diesel + Trichloroethylene 0  Humic acid	Cresylic acid	-	Phthalic acid, phthalic acid anhydride	+
Diesel fuel oil         +         Soda lye         +           Ethanol < 85% (ethyl alcohol)	Crude oil	+	Potassium carbonate (potash solution)	+
Ethanol < 85% (ethyl alcohol)  0 Sodium bicarbonate (sodium hydrogen carbonate)  + Ethyl alcohol  0 Sodium carbonate (soda)  + Ethyl benzole  - Sodium chloride (cooking salt)  + Ethyl ether  + Sodium hydroxide < 20% (caustic soda)  0 Exhaust gases  + Sulphur dioxide  + Formic acid > 10%  Glycerine (trihydroxypropane)  + Tannic acid dilute < 7%  Glycol  0 Tetralin (tetrahydronaphthalene)  Grease, oils and waxes  + Toluene  - Heating oil, diesel  + Trichloroethylene  Humic acid  + Turpentine substitute (white spirit)  + Turpentine substitute (white spirit)	Crude oil and crude oil products	+	Potassium hydroxide (caustic potash) 0 - 20%	+
Ethyl alcohol         0         Sodium carbonate (soda)         +           Ethyl benzole         -         Sodium chloride (cooking salt)         +           Ethyl ether         +         Sodium hydroxide < 20% (caustic soda)	Diesel fuel oil	+	Soda lye	+
Ethyl benzole         -         Sodium chloride (cooking salt)         +           Ethyl ether         +         Sodium hydroxide < 20% (caustic soda)	Ethanol < 85% (ethyl alcohol)	0	Sodium bicarbonate (sodium hydrogen carbonate)	+
Ethyl ether         +         Sodium hydroxide < 20% (caustic soda)	Ethyl alcohol	0	Sodium carbonate (soda)	+
Exhaust gases         +         Sulphur dioxide         +           Formic acid > 10%         -         Sulphuric acid < 5%	Ethyl benzole	-	Sodium chloride (cooking salt)	+
Formic acid > 10%         -         Sulphuric acid < 5%	Ethyl ether	+	Sodium hydroxide < 20% (caustic soda)	0
Glycerine (trihydroxypropane) + Tannic acid dilute < 7% +  Glycol 0 Tetralin (tetrahydronaphthalene) 0  Grease, oils and waxes + Toluene  Heating oil, diesel + Trichloroethylene 0  Humic acid + Turpentine substitute (white spirit) +	Exhaust gases	+	Sulphur dioxide	+
Glycol         0         Tetralin (tetrahydronaphthalene)         0           Grease, oils and waxes         +         Toluene         -           Heating oil, diesel         +         Trichloroethylene         0           Humic acid         +         Turpentine substitute (white spirit)         +	Formic acid > 10%	-	Sulphuric acid < 5%	0
Grease, oils and waxes + Toluene - Heating oil, diesel + Trichloroethylene 0 Humic acid + Turpentine substitute (white spirit) +	Glycerine (trihydroxypropane)	+	Tannic acid dilute < 7%	+
Heating oil, diesel + Trichloroethylene 0 Humic acid + Turpentine substitute (white spirit) +	Glycol	0	Tetralin (tetrahydronaphthalene)	0
Humic acid + Turpentine substitute (white spirit) +	Grease, oils and waxes	+	Toluene	-
	Heating oil, diesel	+	Trichloroethylene	0
Hydrobromic acid < 10% + Xylene -	Humic acid	+	Turpentine substitute (white spirit)	+
	Hydrobromic acid < 10%	+	Xylene	-

+ = resistant

0 = resistant for a limited time

- = not resistant

\*Storage of all WEICON Epoxy Adhesives was at +20°C/+68°F chemical temperature