

**Charts of chemical resistance**

Chemical	resistant	limited resistance	not resistant
deion. Water	X		
sea water	X		
piped water	X		
waste water	X		
hot water (80°C)		X	
chlorine water	X		
soapy water	X		
potassium chloride solution	X		
sodium chloride solution	X		
calcium chloride solution	X		
sodium sulphate	X		
sodium carbonate	X		
sodium hypochlorite (15%)	X		
sodium hypochlorite (c >15%)		X	
hydrogen peroxide (30%)		X	
hydrogen peroxide (80%)			X
sodium hydroxide 10%,30% u. 50%	X		
potassium hydroxide 10%,30%u.50%	X		
ammoniac 10%	X		
ammoniac 30 %		X	
formic acid 10%		X	
formic acid 30%			X
chromic acid 10%, 40%		X	
acetic acid 10% u. 30%		X	
acetic acid 80%			X
lactic acid 10%	X		
lactic acid 30%		X	
oxalic acid 10%	X		
oxalic acid 30%		X	

# Chemical Resistance of Plastifloor® Acrylic Resin Coatings

Chemical	resistant	limited resistance	not resistant
phosphoric acid 10%	X		
phosphoric acid 40%		X	
phosphoric acid 80%			X
nitric acid 10%	X		
nitric acid 30%		X	
nitric acid 65%-			X
hydrochloric acid 10%,30%	X		
hydrochloric acid 50%		X	
sulphuric acid 10% u. 30%	X		
sulphuric acid 50%		X	
sulphuric acid 85%			X
citric acid 10% u. 30%	X		
petrol		X	
benzene			X
butanol			X
butyl ether			X
chloroform			X
cyclohexane	X		
dibutyl phthalate		X	
dioctyl phthalate		X	
diesel petrol			X
ethanol 10%		X	
ethanol 80%			X
ethyl acetate			X
glycerine		X	
heating oil	X		
n-Heptane	X		
n-Hexane	X		
isoproanol			X
kerosine	X		
cresol			X
mineral spirit	X		

# Chemical Resistance of Plastifloor® Acrylic Resin Coatings

Chemical	resistant	limited resistance	not resistant
methanol			X
methylene chlorid			X
methyl ethyl ketone			X
perchloroethylene		X	
petroleum		X	
n-propanol			X
n-propyl acetate			X
phenol		X	
styrene		X	
turpentine	X		
carbon tetrachloride		X	
trichloroethylene			X
toluene			X
Xylene			X
acetone			X
blood	X		
diesel oil	X		
linseed oil	X		
mineral oil	X		
olive oil	X		
paraffin oil	X		
Rezinus oil	X		
crude oil	X		
special oil		X	
super			X
vegetable fats	X		
animal fats	X		
apple juice	X		
beer	X		
coffee	X		
Cola®	X		
Fanta®	X		
milk	X		
orange juice	X		
spritzer	X		
wine (16 Vol.%)	X		
brandy (40 Vol.%)		X	
lemon juice	X		

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## Measurement:

- resistant: Based on the experience in technical applications and test experiments, a continuous load of the coating material with this medium will not result in changes. Chemicals may cause discoloration, but without harming the material.
- limited resistance: After contact with the coating material, the medium must be removed by cleaning. Exceeding the contact time may result in softening, swelling or spalling. It is recommended a contact time of one hour is not exceeded.
- not resistant: Even with short load it comes to damage to the coating material.

The data listed in the table are for room temperature (about +20 ° C) and serve to guide the user. Due to the large number of practical recipes used, for example in the cleaning and disinfecting the area, as well as possible interactions between multiple chemicals used on site a general or individual guarantee cannot be held. The chemical resistance of a coating is also affected by the used fillers and pigments. So in individual cases the user should make his own tests.

**Chemicals may also cause discoloration, but without harming the material. It is also important to note that the aggression of acids and other chemicals can increase with increasing temperature and increased mechanical processing of the surfaces (cleaning brush) the chargeability of the coating under certain circumstances. It is also possible that acid changes in the soil by evaporation or moisture absorption and its concentration can then react aggressively.**

The loads occurring in practice often show higher temperature and longer loads and hence may lead to different results.

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