

Chemical Resistance

KAGESOL EP-B950 (2-Comp.-EP binder system for sticking and jointing tiles)

The resistance against chemicals was tested at norm climate (23°C) after DIN 50014-23/50-2. The coating was charged with testing liquid according to DIN 53168. The evaluation results from the criteria of appearance, hardness and blister or deletion of the surface.

valuation: + resistant, O conditional resistant, – not resistant

Testing liquid

	short-term stress 1 day	lasting stress 10 days	durable stress 42 days
<i>inorganic sodium solutions</i>			
watery hydrogen peroxide solution 35%	+	+	+
watery sodium acetate solution 35%	+	+	+
watery sodium carbonate solution 20%	+	+	+
watery sodium sulphide solution 35%	+	+	+
Watery potassium permanganate solution 5%	+	+	+
watery sodium chloride 20% (WHG 12)	+	+	+
watery washing-liquid-concentrate solution 50% (WHG 14)	+	+	+
<i>oil, petrol, automobile</i>			
iso-octane	+	+	+
gasoline (WHG 1)	+	+	+
diesel/heating fuel (WHG 3)	+	+	+
lubricating oil (WHG 4b)	+	+	+
brake fluid	+	+	+
cooling concentrate automobiles	+	+	+
<i>alcoholics, glycols</i>			
methanol / = methyl alcohol (WHG 5a)	+	O	-
ethanol / = ethyl alcohol	+	+	O
iso-butanol / = butyl alcohol	+	+	+
methanol 48%, iso-propanol / = propyl alcohol 48%, water 4% (WHG 5)	+	+	O
benzyl alcohol	+	+	O
o-cresol	+	O	-
ethylene glycol	+	+	+
propylene glycol	+	+	+

In principle, discolourations of the top coat due to exposure of chemicals can't be excluded, however, they don't affect the technical use of the floor coating. In case of disposing chemicals, that aren't mentioned in this list, we request consultation concerning the resistance.

Allusion: The characteristics are a matter of values acquired by us that haven't got the meaning of property assurance. Therefore there can't be deduced any liability claims from this chemical resistance list.

Manufacturer:

VIACOR Polymer GmbH, Hohenneuffenstrasse 14, D-72622 Nürtingen, Tel. +49/7022-21790-0, Fax +49/7022-21790-29

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acids, organic			
formic acid 20 %	+	O	-
acetic acid 10% (WHG 9)	+	O	-
acetic acid 20 %	+	-	-
50% acetic acid, 50% propionic acid (WHG 9a)	+	-	-
acetic acid anhydride	+	-	-
lactic acid 10 %	+	O	-
octane acid	+	+	+
oil acid	+	+	+
citric acid 20 %	+	+	+
butter	+	+	+
acids, inorganic			
hydrofluoric acid 10 %	+	O	-
hexa-fluorine-silicid acid	+	+	+
perchloric acid 70 %	+	+	O
phosphoric acid 80 %	+	+	+
nitric acid 25 %	+	+	O
nitric acid 53 %	+	O	-
nitric acid 65 %	O	-	-
hydrochloric acid 15 %	+	+	+
hydrochlorid acid 37 %	+	+	+
sulphuric acid 20% (WHG 10)	+	+	+
sulphuric acid 80 %	+	+	O

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hydroxide			
ammonia 10 %	+	+	+
ammonia 25 %	+	+	+
potassium hydroxide 10 %	+	+	+
potassium hydroxide 45 %	+	+	+
sodium hydroxide 20% (WHG 11)	+	+	+
amine, amide			
aniline	+	O	-
di-isopropylamine	+	+	+
dimethylformamide	-	-	-
aldehyde, ketone			
watery formaldehyde solution 37% (WHG 8)	+	+	+
acetone	-	-	-
methyl isobutyl ketone	+	+	+
1-methyl pyrrolidone	O	-	-
methyl ethyl ketone peroxide	+	+	+
solvents			
acetonitrile	O	-	-
butyl acetate	+	O	-
ethyl acetate	O	-	-
Diethyl ether	+	+	+
2-nitropropane	+	O	-
pyridine	-	-	-
tetrahydrofuran	-	-	-
xylene	+	+	O

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chlorinated hydrocarbons			
monochlorobenzene (WHG 6b)	O	O	-
tetrachloroethylene	+	O	O
WHG-testing classes			
gasoline (WHG 1)	+	+	+
50% iso-octane, 50 % toluene (WHG 2-1)	+	+	+
diesel/heating fuel (WHG 3)	+	+	+
benzene, toluene, xylene, methyl naphthalene (WHG 4a)	+	O	-
lubricating oil (WHG 4b)	+	+	+
methanol 48%, iso-propanol / propylic alcohol 48%, water 4% (WHG 5)	+	O	O
trichloroethylene (WHG 6)	O	-	-
50% ethyl acetate, 50% methyl isobutyl ketone (WHG 7)	+	O	-
50% salicylic acid methylene ester, 50% acetophenone (WHG 7a)	+	O	-
watery formaldehyde solution 37% (WHG 8)	+	+	+
acetic acid 10% (WHG 9)	+	O	-
50% acetic acid, 50% propionic acid (WHG 9a)	+	-	-
sulfuric acid 20% (WHG 10)	+	+	+
sodium hydroxide 20% (WHG 11)	+	+	+
watery sodium chloride 20% (WHG 12)	+	+	+
watery washing-liquid-concentrate solution 50% (WHG 14)	+	+	+

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