

KEMKO[®] CHEMICAL RESISTANCE GUIDE

EPOXY COATINGS AND FLOORING BINDERS

This guide is to aid in determining the merit of Kemko[®] products when exposed to potentially damaging effects of chemical environments at normal ambient temperature.

Kemko [®] Coating		Primary Uses / Properties
070 FlorWal Coat 186 Epoxy Healer Sealer 234 FC Coat	I	Gray coating for concrete in facilities requiring good resistance to mild acids and caustic (alkalis, bases), automotive and other chemicals.
005 HiChem Coat	II	Gray or red concrete coating for sewage treatment and fuel storage tanks, waste water and sewer pipe, meat processing, plating and other acid handling facilities.
161 CSA Coat	III	Gray or red concrete coating resisting concentrated sulfuric and other mineral and organic acids.
064 Utility 064LV Utility A-1 Asphalt Coat	IV	General purpose floor /loading dock coatings with excellent water resistance and good tolerance for automotive chemicals. Low cost.
082 GP Binder Flooring 047 LoMod Binder	V	Broadcast, slurry and trowel-down flooring applications.

ACIDS

Chemical	Kemko [®] Coating/Binder				
	I	II	III	IV	V
Acetic-5%	OS	E	E	OS	G
Acetic-10%	OS	E	E	OS	G
Acetic-Glacial	NR	OS	OS	NR	NR
Benzoic-sat. (3%)	E	E	E	OS	E
Butyric-10 %	G	E	E	OS	E
Chromic-10 %	OS	G	G	NR	OS
Chromic-20 %	NR	NR	OS	NR	NR
Citric-50 %	E	E	E	OS	E
Cresylic	OS	G	G	OS	G
Diglycolic	G	E	E	OS	E
Fatty	G	E	E	G	E
Fluoboric	OS	OS	OS	OS	OS
Formic-10 %	OS	G	G	NR	OS
Heptanoic	G	E	E	OS	E
Hydrochloric-15 %	G	E	E	OS	OS
Hydrochloric-37 %	OS	OS	G	NR	OS
Hydrofluoric-5 %	OS	G	G	NR	OS
Hydrofluoric-10 %	NR	OS	OS	NR	NR
Hydrochlorous-5 %	OS	G	G	NR	OS

Chemical	Kemko [®] Coating/Binder				
	I	II	III	IV	V
Lactic-10 %	G	E	E	NR	G
Lactic-50 %	OS	E	E	NR	OS
Maleic-30 %	OS	E	E	NR	G
Malic-40 %	OS	E	E	NR	G
Nitric-10 %	OS	E	E	NR	G
Nitric-25 %	OS	OS	G	NR	G
Oleic	G	E	E	NR	G
Oxalic-sat.	G	E	E	OS	G
Perchloric-35 %	OS	OS	OS	NR	OS
Phosphoric-50 %	OS	G	G	NR	G
Phthalic	G	G	G	NR	G
Phenol-5 %	G	E	E	OS	E
Stearic	G	E	E	OS	E
Succinic-sat.	G	E	E	OS	E
Sulfuric-25 %	G	E	E	OS	E
Sulfuric-98 %	NR	NR	E	NR	NR
Tannic-sat.	G	E	E	OS	G
Tartaric-sat.	G	E	E	NR	G

ALKALIS AND SALTS

All products are rated good to excellent when exposed to most aqueous alkalis (caustic, bases) and salts

SOLVENTS AND OTHER CHEMICALS

Chemical	Kemko® Coating/Binder				
	I	II	III	IV	V
Acetone	OS	OS	OS	OS	OS
Alcohol (methyl)	G	OS	OS	OS	OS
Alcohol (others)	G	G	G	OS	G
Benzene	G	G	G	OS	OS
Beer	E	E	E	G	E
Bromine	G	G	G	OS	OS
Brake Fluid-Oil Base	E	E	E	G	G
Brake Fluid-H. Duty	E	OS	OS	NR	OS
Butyl Acetate	OS	OS	OS	NR	OS
Carbon Tetrachloride	G	E	E	NR	OS
Castor Oil	E	E	E	G	E
Coke	E	E	E	OS	E
Corn Oil	E	E	E	G	E
Cyclohexane	G	OS	OS	NR	OS
Diacetone Alcohol	OS	OS	OS	NR	OS
Diesel Fuel	E	E	E	G	E
Ethylene Glycol	E	E	E	E	E
Ether	G	G	G	NR	OS
Formaldehyde	G	E	E	NR	OS
Fuel Oil	E	E	E	G	E
Gasoline	E	E	E	OS	G
Gasohol	G	OS	OS	NR	NR
G. P Floor Cleaners	E	E	E	G	E
Germicidal Solutions	E	E	E	G	E
Glycerine	E	E	E	G	E

Chemical	Kemko® Coating/Binder				
	I	II	III	IV	V
Hexane	G	E	E	OS	E
Hydr. Peroxide-10%	G	E	E	NR	E
JP5 Jet Fuel	E	E	E	G	E
Juices-Fruit	E	E	E	OS	E
Juices-Vegetable	E	E	E	OS	E
Lard	E	E	E	G	E
Linseed Oil	E	E	E	G	E
Methyl Ethyl Ketone	OS	OS	OS	OS	OS
Methylene Chloride	NR	NR	NR	NR	NR
Milk	E	E	E	G	E
Mineral Spirits	E	E	E	G	E
Naptha	E	E	E	OS	E
Oils-Cutting	E	E	E	G	E
Oils-Mineral	E	E	E	G	E
Oils-Vegetable	E	E	E	G	E
Perchlor	G	OS	OS	OS	OS
Skydol	E	G	G	NR	OS
Sugar	E	E	E	E	E
Toluene	G	NR	OS	NR	OS
Trichlor	E	E	E	OS	E
Turpentine	G	G	G	OS	G
Urea	G	E	E	OS	E
Vinegar-Household	G	E	E	OS	G
Water	E	E	E	E	E
Xylene	G	OS	OS	NR	OS

The rating code used provides four categories of product performance:

- E** **Excellent**
- G** **Good, not suitable for long term exposure**
- OS** **Suitable for occasional spill followed by immediate clean-up**
- NR** **Not Recommended**

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