

TECHNICAL INFORMATION

DECO-EPOXY 2C BD

CHEMICAL RESISTANCE TESTING*	
Chemicals	Results
Organic acids	
Acetic acid	-
Acetic acid (10% in water)	-
Butyric acid	-
Cresylic acid (o-Cresol)	-
Formic acid	-
Lactic acid	-
Napthenic acid	+
Inorganic acids	
Hydrochloric acid concentrated	-
Hydrochloric acid 10% in water	-
Hydrofluoric acid concentrated	-
Nitric acid concentrated	-
Nitric acid 10% in water	-
Orthophosphoric acid concentrated	-
Sulphuric acid concentrated	-
Sulphuric acid 50% in water	-
Sulphuric acid 10% in water	-
Alcohols	
Allyl alcohol	-
Iso-Amyl alcohol	+
Benzyl alcohol	-
n-Butanol	+0
iso-Butanol	+
sec-Butanol	0
Cyclohexanol	-
Decanol	+
Diacetone alcohol	+0
Ethanol	+
2-Ethyl hexanol	+
Furfuryl alcohol	-
n-Heptanol	-
n-Hexanol	+
Methanol	+0
Nonanol	+
Octanol	+0
iso-Octanol	+

Pinturas Decolor

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Aldehydes	
Acetaldehyde	-
Acrolein	0
iso-Butyraldehyde	-
Crotonaldehyde	-
Formalin (formaldehyde in water)	0
n-Valeraldehyde	-
Amines, amides and imines	
Amonia	-
40% ammonia in water	-
Aniline	-
Diethanolamine	+
Diethylamine	-
Diethylamine 50% in water	-
Diethylamine 60% in water	-
Diethylenetriamine	-
Dimethylamine	0
Dimethylamine 40% in water	0
Dimethylamine 50% in water	0
2-Dimethylaminoethanol	-
Dimethylformamide	-
Ethanolamine	0
Ethylene diamine	-
Ethylene imine	-
Morpholine	-
Pyridine	-
Pyridine bases	-
Triethanolamine	+
Triethylene tetramine	-
Chlorinated hydrocarbons	
Acetyl chloride	-
Allyl chloride	0
Benzyl chloride	0
Carbon tetrachloride	0
Chlorinated paraffin	+
Chlorobenzene	+
Chloroform	-
Dichloorbenzene	+
Dichloroethylene	+0

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Dichloromethane	-
Epichlorohydrin	0
Tetrachloroethylene	+
1,1,1-Trichloroethylene	+
Trichloroethylene	0
Esters	
Amyl acetate (mixed isomer)	+
n-Amyl acetate	+
iso-Amyl acetate	+
n-Butyl acetate	+
iso-Butyl acetate	+
Butyl acrylate	0
Butyl benzyl phthalate	+
Butyl methacrylate	+
Di-N-butylphthalate	+
Di-Octyl phthalate	+
Ethyl acetate	0
Ethyl acrylate	0
2-Ethyl hexyl acrylate	0
Methyl acetate	0
Methyl acrylate	0
Methyl methacrylate	+
Tri-butyl citrate	+
Tri cresyl phosphate	+
Tri oyl phosphate	+
Trixylyl phosphate	+
Glycols	
Ethylene glycol	+
Di-ethylene glycol	-
Tri-ethylene glycol	+
Glycerol	+
Hexylene glycol	+
Di-propylene glycol	+
Poly-propylene glycol	+
Glycol ethers	
Ethylene glycol monoethylether	-
Ethylene glycol monoethylether acetate	+
Ethylene glycol monobutylether	-
Ethylene glycol monobutylether acetate	+

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Ethylene glycol monomethylether	-
Di-ethylene glycol monoethylether	-
Di-ethylene glycol monobutylether	-
Di-ethylene glycol monomethylether	0
Hydrocarbons	
Aromasol H	+
Benzene	+0
p-Cumene	+
Dicyclo pentadiene	+
Dipentene	0
Ethyl benzene	+
Heptane	+
Hexane	+
Naphtha (Petroleum)	+
Naphtha (Solvent)	+
Paraffin wax	+
Pentane (mixed isomers)	+
n-Pentane	+
iso-Pentane	+
Pentene (mixed isomers)	-
Petrol	+
Petrol ether	+
Pine oil	+0
Shellsol A	+
Shellsol R	+0
Shellsol T	+
Solvesso 100	+
Solvesso 150	+
Styrene	0
Tetrahydro naphthalene	+0
Turpentine	0
White spirit	+
Toluene	+
Xylene (mixed isomers)	+0
o-Xylene	+
m-Xylene	+
p-Xylene	+
Ketones	
Acetone	+0

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Butyrolactone	-
Cyclohexanon	-
Di-isobutylketone	+
Isophorone	-
MEK	0
MIBK	+
Nitro-hydrocarbons	
Nitro benzene	-
Nitro ethane	+
Nitro propane (mixed isomers)	+0
1-Nitro propane	+
2-Nitro propane	+0
Nitriles	
Acetonitrile	+
Acrylonitrile	-
Adiponitrile	+
Toluene di-isocyanate	+
Phenols	
m-Cresol	-
o-Cresol	-
p-Cresol (aqueous)	-
Nonyl phenol	+
Phenol	-
Vegatable and animal oils	
Castor oil	+
Coconut oil	+
Cotton seed oil	+
Fish oil	+
Groundnut oil	+
Linseed oil	+
Olive oil	+
Palm kernel oil	+
Palm oil	+
Soya bean oil	+
Sunflower seed oil	+
Tall oil	-
Tall oil fatty acid	-
Miscellaneous	
Acetic anhydride	-

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Creosote	0
Deionized water	0
Diethyl ether	+
Dioxan	-
Dutrex 3	+
Hydrogen peroxide (100% volatile)	+
Isoprene	+0
Lime juice	-
Molasses	+
Shell Rotella oil	+
Sodium dichromate (33% in water)	+
Sodium hydroxide (20% in water)	0
Sodium hypochlorite (15% available chlorine)	+
Stannic chloride	0
Sulphite lye	-
Sulpholane	+
Tallow	+
Tetra hydro furan	-
Titanium tetrachloride	+

* Application: 3 coats to give a total dry film thickness of 150 microns. Substrate: grit-blasted mild steel panels. Curing time before immersion: 2 weeks at 23°C.

Rating system:

- + Unaffected or only slight attack but still adequately protecting the substrate after 12-month immersion.
- +0 Unaffected up to 6-month immersion, thereafter partial failure.
- 0 Unaffected up to 1-month immersion, thereafter partial failure.
- Not resistant.

Table below shows the resistant of a white coating immersed in various chemicals at 23°C based on a laboratory experiment. It should be emphasized that these results can only be taken as a guide to the results likely to be obtained under practical conditions. Variations are likely to be obtained depending on method of application, application procedure, curing conditions and conditions of service.

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