



# Chemical Resistance of Cured Epoxy Putties

Cured epoxy putties are highly resistant to corrosion or deterioration by dilute acids and caustics. They will withstand the influence of mildly acidic water.

## Solvents

Normal temperature exposure to the following solvents has no effect or minor effect on cured epoxy putties:

- Alcohols (e.g., methyl, ethyl, isopropyl, butyl)
- Antifreeze
- Cellosolves
- Chlorinated solvents, saturated (limited)
- Esters (e.g., amyl acetate)
- Greases
- Lacquers and lacquer thinner
- Methylene chloride
- Mineral spirits
- Naphtha
- Natural oils, e.g., linseed, olive, palm
- Oils and fuels, including diesel oil, fuel oil, gasoline, jet fuel, lubricating oil and silicone oil
- Methylene chloride
- Mineral spirits
- Paint thinner
- Shellac
- Toluene
- Trichloroethane
- Turpentine
- Xylene

Hot or strongly concentrated exposure to the following solvents has a moderate or severe effect on cured epoxy putties:

- Acetone
- Esters (hot)
- Methylene ketone (MEK)

## Caustic

Normal temperature exposure to the following caustics has no effect or minor effect on cured epoxy putties:

- Chlorine bleach (dilute)
- Caustic potash
- Hydrogen peroxide
- Salt solutions, including alum, calcium chloride and salt
- Soap and soap solutions

Hot or strongly concentrated exposure to the following caustics has moderate or severe effect on cured epoxy putties:

- Bromine
- Caustic potash (hot)
- Chlorine
- Chromate solutions
- Hydrogen peroxide (hot)
- Hypochlorite bleach (concentrated or hot)
- Oxidizing agents
- Sodium peroxide
- Soap and soap solutions
- Oleum
- Plating solutions

## Acids

Normal temperature exposure to the following dilute acids has no effect or minor effect on cured epoxy putties:

- Acetic
- Muriatic
- Nitric

Hot or strongly concentrated exposure to the following caustics has a moderate or severe effect on cured epoxy putties:

- Acetic
- Aqua regia

- Carbolic
- Muriatic
- Nitric
- Sulfuric

### **Miscellaneous**

The following have no effect or minor effect on cured epoxy putties:

- Lard
- Water

### **Additional information**

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