



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)
- Ester (e.g., amyl acetate)
- Greases
- Lacquers and lacquer thinner
- Methylene chloride
- Mineral spirits
- Naphtha
- Natural oils, e.g., linseed, olive, pal
- Oils and fuels, including diesel oil, fuel oil, gasoline, jet fuel, lubricating oil and silicone oil
- 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
- Ester (hot)
- Methyleneethyl ketone (MEK)

Caustics

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 acids 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.

Contact Details

Polymeric Systems, Inc., is a part of Whitford Worldwide.
For more information, please contact Polymeric Systems or Whitford Ltd. at:

Polymeric Systems, Inc.
47 Park Avenue
Elverson, PA, USA 19520
Tel: [1] (610) 286-2500
Email: sales@polymericsystems.com
Website: polymericsystems.com



Whitford Ltd.
11 Stuart Road, Manor Park
Runcorn, Cheshire, UK WA7 1TH
Tel: [44] (0) 1928 571000
Email: salesuk@whitfordww.com
Website: whitfordww.com

Toll Free: 888-EPOXY FIX (888-376-9934)

NON-WARRANTY: ALL RECOMMENDATIONS, STATEMENTS AND TECHNICAL DATA CONTAINED HEREIN ARE BASED ON TESTS WE BELIEVE TO BE RELIABLE AND CORRECT, BUT ACCURACY AND COMPLETENESS OF SAID TESTS ARE NOT GUARANTEED AND ARE NOT TO BE CONSTRUED AS A WARRANTY, EITHER EXPRESS OR IMPLIED. USER SHALL RELY ON HIS OWN INFORMATION AND TESTS TO DETERMINE SUITABILITY OF THE PRODUCT FOR THE INTENDED USE, AND USER ASSUMES ALL RISK AND LIABILITY RESULTING FROM THIS USE OF THE PRODUCT. MANUFACTURER'S SOLE RESPONSIBILITY SHALL BE TO REPLACE THAT PORTION OF THE PRODUCT OF THE MANUFACTURER THAT PROVES TO BE DEFECTIVE. MANUFACTURER SHALL NOT BE LIABLE TO THE BUYER OR ANY THIRD PARTY FOR INJURY, LOSS OR DAMAGE DIRECTLY OR INDIRECTLY RESULTING FROM USE OF, OR INABILITY TO USE, THE PRODUCT. RECOMMENDATIONS OR STATEMENTS OTHER THAN THOSE CONTAINED IN A WRITTEN AGREEMENT SIGNED BY AN OFFICER OF THE MANUFACTURER SHALL NOT BE BINDING UPON THE MANUFACTURER.

4108-0314