

CHEMICAL RESISTANCE GUIDE

The purpose of this guide is to aid in determining the potential value of Stontec/TecTop when exposed to the damaging effects of corrosive chemical spillages. The test procedure used was total immersion of cured samples of Stontec /TecTop in the chemicals listed for a period of 90 days at normal room temperatures. (This is an exceptionally severe test, since most floors subject to chemical spillages such as these are "flushed down" periodically with water as part of the normal floor maintenance operation.)

The resultant resistance of Stontec /TecTop to the various chemicals is rated using the symbols listed to the right. (It is recommended that normal "good housekeeping procedures" are used, including a daily flushing with clean water.)

RATING CODE

E - Excellent

G - Good

NR - Not Recommended

OS - Suitable for use where "occasional spillages" occur, when flushing with water immediately follows.

The data contained here is based on laboratory tests performed under carefully controlled conditions. No warranty can be expressed nor implied regarding the accuracy of this information as it will apply to actual plant operational use. Plant operations vary widely, and the individual results obtained are affected by the specific conditions encountered, which are beyond our control.

Note: *Staining may occur depending upon length of exposure time.

ACIDS

| Chemical | UTF/TRF/UF | XPRESS | ERF/QBF/EF |
|------------------------|------------|--------|------------|
| Acetic – 5% | E | E | G |
| Acetic – 10% | G | E | G |
| Acetic – 15% | G | E | G |
| Acetic – 20% | G | G | OS |
| Acetic – Glacial | NR | NR | NR |
| Benzoic – Sat | E | E | E |
| Boric – 3% | G | E | E |
| Chromic – 10% | G | G | G |
| Chromic – 40% | NR | OS | NR |
| Citric – Sat | E | OS | E |
| Fatty | G | G | G |
| Formic – 10% | G | G | G |
| Hydrochloric – 10% | E | E | E |
| Hydrochloric – 20% | E | E | E |
| Hydrofluoric – Conc* | OS | OS | G |
| Hydrofluoric – 5% | G | G | G |
| Hypochlorous – 10% | OS | OS | OS |
| Hypochlorous – 15% | NR | NR | OS |
| Lactic – 5% | E | E | G |
| Lactic – 10% | E | E | G |
| Lactic – 20% | G | G | G |
| Lactic – over 20% | E | G | OS |
| Maleic – up to 10% | E | E | G |
| Maleic – Sat. | G | G | NR |
| Nitric – 10% | E | E | E |
| Nitric – 20% | G | G | G |
| Nitric – 30% | OS | OS | OS |
| Nitric – over 40% | NR | NR | NR |
| Oleic | E | E | E |
| Oxalic – 10% | E | E | E |
| Oxalic – Sat. | G | G | E |
| Perchloric – 35% | NR | NR | OS |
| Phosphoric – up to 10% | E | E | G |
| Phosphoric – up to 20% | E | E | G |
| Phosphoric – up to 40% | G | G | OS |
| Phosphoric – Conc. 85% | OS | OS | NR |
| Picric – Sat. | E | E | E |
| Succinic – Sat. | E | E | E |
| Sulfuric – 10% | E | E | E |

| | | | |
|------------------|----|----|----|
| Sulfuric – 25% | E | E | E |
| Sulfuric – 50% | OS | OS | G |
| Sulfuric – 80% | NR | NR | NR |
| Tannic – Sat. | E | E | E |
| Tartartic – Sat. | E | E | E |

ALKALIES AND SALTS

| Chemical | UTF/TRF/UF | XPRESS | ERF/QBF/EF |
|--------------------------------------|-------------------|---------------|-------------------|
| Aluminum Chloride – 50% | E | E | E |
| Aluminum Hydroxide – 50% | E | E | E |
| Ammonium Chloride – Sat. | E | E | E |
| Ammonium Hydroxide – up to 10% | E | E | E |
| Ammonium Hydroxide – 25% | E | E | E |
| Ammonium Nitrate – Sat. | E | E | E |
| Ammonium Sulfate – Sat. | E | E | E |
| Calcium Chloride – Sat. | E | E | E |
| Calcium Hypochlorite | E | E | G |
| Copper Fluoroborate | E | E | E |
| Ferric Chloride – Sat. | E | E | E |
| Ferrous Sulfate. | E | E | E |
| Potassium Hydroxide – up to 40% | E | E | E |
| Sodium Bicarbonate (Soda Ash) – Sat. | E | E | E |
| Sodium Bisulfate – Sat. | E | E | E |
| Sodium Bisulfite – Sat. | E | E | E |
| Sodium Chloride (Salt) – Sat. | E | E | G |
| Sodium Hydroxide – up to 30% | E | E | E |
| Sodium Hypochlorite – up to 10% | E | E | G |
| Sodium Sulfate – Sat. | E | E | E |
| Sodium Sulfide – Sat | E | E | E |
| Zinc Nitrate. | E | E | E |

SOLVENTS AND OTHER CHEMICALS

| Chemical | UTF/TRF/UF | XPRESS | ERF/QBF/EF |
|---|-------------------|---------------|-------------------|
| Acetone | NR | NR | OS |
| Acrylonitrile | NR | NR | OS |
| Aniline | NR | NR | NR |
| Alcohol (Methyl) | NR | NR | OS |
| Alcohol (Ethyl, Propyl, Isopropyl, Butyl) | OS | OS | G |
| Amyl Acetate | OS | OS | G |
| Animal Fats | E | E | G |
| Antifreeze | G | G | E |
| Beer | E | E | E |
| Benzene | NR | NR | OS |
| Bleach | E | E | E |
| Blood | E | E | E |
| Bromine | NR | NR | NR |
| Butyl Acetate | OS | NR | G |
| Butyl Alcohol | NR | NR | G |
| Carbon Tetrachloride | NR | NR | G |
| Corn Oil | E | E | E |
| Crude Oil | E | E | E |
| Cyclohexane | G | OS | E |
| Chloroform | NR | NR | NR |
| Ethyl Acetate | OS | OS | OS |
| Ethylene Glycol | G | G | E |
| Ether | OS | OS | OS |
| Formaldehyde - 40% | E | G | E |
| Gasoline | OS | OS | E |
| Glycerine | E | OS | E |

| | | | |
|-------------------------|----|----|----|
| Heptane | G | G | E |
| Hexane | G | G | E |
| Hydrogen Peroxide – 10% | E | E | E |
| Hydrogen Peroxide – 30% | OS | OS | OS |
| Jet Fuel | OS | OS | E |
| Juices – Fruit | E | E | E |
| Juices – Vegetable | E | E | E |
| Kerosene | G | G | G |
| Lard | E | E | G |
| Linseed Oil | E | E | E |
| Mayonnaise | G | G | G |
| Methyl Ethyl Ketone | NR | NR | NR |
| Methyl Isobutyl Ketone | NR | NR | NR |
| Methylene Chloride | NR | NR | NR |
| Milk | E | E | E |
| Mineral Spirits | G | OS | E |
| Mustard* | G | G | E |
| n-Propyl Alcohol | OS | OS | G |
| n-Propyl Acetate | NR | NR | OS |
| Oils – Castor | E | E | E |
| Oils – Crude | E | E | E |
| Oils – Cutting | E | E | E |
| Oils – Diesel | E | E | E |
| Oils – Mineral | E | E | E |
| Oils – Vegetable | G | G | G |
| Peanut Butter | E | E | E |
| Phenol – 5% | OS | OS | NR |
| Silicone Solution | E | E | E |
| Soap Solution | E | E | E |
| Styrene | NR | NR | G |
| Sucrose – Sat.(Sugar) | E | E | E |
| Toluene | NR | NR | G |
| Trichloroethane | NR | NR | G |
| Trichloroethylene | NR | OS | OS |
| Urea | E | E | E |
| Vinegar (Household) | E | E | G |
| Water | E | E | E |
| Whiskey | OS | OS | G |
| Wine | E | E | E |
| Xylene | NR | NR | G |

IMPORTANT:

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