

STONTEC/TECTOP

STONTEC/TECTOP 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 followed by immediate water flushing

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/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
Hydrochloric – Conc. *	OS	OS	G
Hydrofluoric – 5%	G	G	G
Hydrofluoric – 10%	OS	OS	OS
Hydrofluoric – 15%	NR	NR	OS
Lactic – 5%	E	E	G
Lactic – 10%	E	E	G
Lactic – 20%	E	G	OS
Lactic – over 20%	G	G	OS

Chemical	UTF/TRF/UF	XPRESS	ERF/EF
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 – 10%	E	E	G
Phosphoric – 20%	E	E	G
Phosphoric – 40%*	G	G	OS
Phosphoric – Conc. 85%*	OS	OS	NR
Pitric – 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/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	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

Chemical	UTF/TRF/UF	XPRESS	ERF/EF
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/EF
Acetone	NR	NR	OS
Acrylonitrile	NR	NR	OS
Aniline	NR	NR	NR
Alcohol (Methyl)	NR	NR	OS
Alcohol (Ethyl, Propyl, Isopropyl)	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

Chemical	UTF/TRF/UF	XPRESS	ERF/EF
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

Solvents and Other Chemicals – continued

Chemical	UTF/TRF/UF	XPRESS	ERF/EF
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

Chemical	UTF/TRF/UF	XPRESS	ERF/EF
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

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Important:

Stonhard believes the information contained here to be true and accurate as of the date of publication. Stonhard makes no warranty, expressed or implied, based on this literature and assumes no responsibility for consequential or incidental damages in the use of the systems described, including any warranty of merchantability or fitness. Information contained here is for evaluation.

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