



GRP Gratings

CHEMICAL RESISTANCE



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Flexi Riste - GRP Gratings - Chemical Resistance

	Isophthalic resin % concentration	Isophthalic resin temperature °C	Vinylester resin % concentration	Vinylester resin temperature °C
Acetic acid	50 %	50°	50 %	85°
Acetone	N/R	N/R	100 %	25°
Aluminium salts	All	70°	All	90°
Ammonium bicarbonate	15 %	50°	All	50°
Ammonium chloride	All	70°	All	85°
Ammonium hydroxide	28 %	N/R	28 %	38°
Ammonium nitrate	All	70°	All	85°
Benzoic acid	All	65°	All	90°
Benzoin	N/R	N/R	100 %	60°
Calcium hydroxide	25 %	65°	35 %	85°
Calcium hypochlorite	All	65°	All	85°
Calcium nitrate	All	85°	All	90°
Calcium salts	All	65°	All	90°
Carbamide, urea, carbonyl diamide	All	50°	All	60°
Carbon dioxide/Carbolic acid/coal gas	All	50°	All	85°
Chlorine dioxide	N/R	N/R	All	60°
Chlorine water	All	25°	All	50°
Chromic acid	10 %	60°	10 %	85°
Citric acid	All	65°	All	85°
Copper cyanide	All	50°	All	85°
Cuprous salt	All	65°	All	85°
Distilled water	100 %	75°	100 %	90°
Ethyl acetate, ethyl ether	N/R	N/R	N/R	N/R
Ethyl alcohol/ethanol	50 %	25°	50 %	30°
Ferric salt, iron (III) salt	All	65°	All	85°
Glycerine	100 %	65°	100 %	90°



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	Isophthalic resin % concentration	Isophthalic resin temperature °C	Vinylester resin % concentration	Vinylester resin temperature °C
Heptane	100 %	40°	100	50°
Hydrobromic acid	50 %	50°	50 %	50°
Hydrochlorid acid	37 %	25°	37 %	35°
Hydrogen peroxide, hydrogen superoxide	10 %	25°	30 %	50°
Hypochlorous acid	20 %	30°	20 %	65°
Iron salts	100 %	65°	100 %	85°
Lactic acid/hydroxypropionic acid	All	75°	All	90°
Lead acetate / sugar of lead	All	75°	All	90°
Lead chloride	All	60°	All	90°
Lead nitrate	All	65°	All	90°
Lunar caustic/silver nitrate	100 %	65°	100 %	85°
Magnesium salt	All	65°	All	85°
Maleic acid	100 %	65°	100 %	85°
Mercury chloride	100 %	65°	100 %	85°
Mitric acid	20 %	25°	20	40°
Nickel salt	All	75°	All	90°
Perchloric acid	N/R	N/R	30 %	30°
Phosphoric acid	100 %	50°	100 %	90°
Potash	All	65°	All	85°
Prussic acid/hydrocyanic acid	All	65°	All	85°
Sal volatile/Ammonium carbonate	N/R	N/R	All	65°
Salt water	All	75°	All	90°
Sodium hypochlorite	N/R	N/R	10 %	65°
Sodium salt	All	25°	All	40°
Styrol, styrene, phenylethylene	N/R	N/R	N/R	N/R
Sulphuric acid*	50 %	N/R	50 %	85°



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	Isophthalic resin % concentration	Isophthalic resin temperature °C	Vinylester resin % concentration	Vinylester resin temperature °C
Sulphuric acid*	25 %	25°	25 %	90°
Tartaric acid	All	75°	All	90°
Tetrachloromethane/carbon tet- rachloride	100 %	25°	100 %	60°
Tin chloride	All	70	All	90°
Trisodium phosphate	N/R	N/R	All	65°
Vinegar	100 %	75°	100 %	90°
Zinc salt	100 %	65°	100 %	85°

All = valid for all concentrations
N/R = not recommended

* different resistances at different
temperatures

Important information:

The advice we provide, both written and verbal, is accurate to the best of our knowledge.

Always test the chemicals, on the least visible area of our products, to ensure suitability for the intended use. This responsibility lies with the user, as the values above are only indicative.