



Chemical Resistance Table FRP Gratings

Chemical	% Conc.	Type 'ORTHO'	Type 'ISO'	Type 'VINYL'
		Max. Operating Temperature (°C)		
Acetic Acid	0-25	25	35	95
	26-50	NR	25	80
Acetone	0-10	20	NR	NR
Aluminium Chloride	Sat.	45	50	100
Ammonium Chloride	Sat.	45	50	100
Ammonium Hydroxide	5	NR	25	65
Ammonium Sulfate	All	45	50	100
Barium Chloride	Sat.	50	45	100
Benzene	100	NR	NR	NR
Gasoline	100	NR	NR	45
Benzoic Acid	All	50	50	100
Benzyl Alcohol	All	25	25	NR
Beer	All	NA	55	50
Boric Acid	Sat.	50	50	90
Mercury	100	55	60	100
Zinc Chloride	Sat.	50	50	100
Zinc Sulfate	ALL	50	50	100
Sea Water		45	50	100
Detergens, Sulfonated	ALL	45	45	90
Diesel Fuel	100	35	30	100
Ethyl Alcohol	10	30	30	50
	50	20	25	40
Ethylene Glycol	All	20	35	90
Formaldehyde	All	NA	NA	50
Formic Acid	10	25	35	80
Kerosene	100	40	30	80
Glucose	All	NA	60	100
Hydrobromic Acid	0-25	50	50	80
Hydrochloric Acid	20	20	25	40
Hydrogen Peroxide	20 Vol.	NR	NR	65
Castor Oil	100	75	70	100
Cadmium Cyanide	All	NR	NR	80
Calcium Hydroxide	100	20	35	80
Calcium Nitrate	All	50	50	100
Calcium Oxide	All	20	35	80
Calcium Sulphate	Sat.	50	50	95
Carbondioxide	Sat.	50	50	65
Carbonic Acid	Sat.	50	50	80
Carbonmonoxide	Gas	75	70	80
Caustic (See Sodium Hydroxide)				
Chloride Water	Sat.	NR	25	100
Chromic Acid	20	NR	NR	65
Xylene	100	30	NR	25
Lactic Acid	44	50	55	100
Magnesium Sulfate	All	45	50	95
Maleic Acid	All	45	45	90
Methyl Alcohol	100	30	25	NR
Naphta, Aromatic	100	30	25	NA
Nickel Plating Solution		45	45	80
Nitric Acid	5	45	45	65
	35	NR	NR	40
Oleic Acid	100	50	50	100
Perchloric Acid	10	NR	20	65
Phosphoric Acid	50	50	50	90
Potassium Chloride	All	50	45	90
Potassium Hydroxide	1-10	NR	NR	60
Potassium Sulfate	All	50	45	90
Sodium Carbonate	10	NR	20	80
Sodium Chloride	All	50	50	100
Sodium Hydroxide	50	NR	NR	75
Sodium Sulfate	All	50	45	100
Sulphuric Acid	0-25	50	60	90
	76-80	NR	NR	40
	>80	NR	NR	NR
Tannic Acid	All	50	50	100
Urea	All	NA	NA	65
Citric Acid	All	50	50	100
Water		45	50	100

Abbreviations: NR: Not Recommended • NA: Not Available • SA.: Saturated • All: All Concentrations

The information in this table has been prepared with laboratory tests and our corporate knowledge. Real Safety ApS believes the information and recommendations herein to be accurate and reliable. The chemical resistance data listed above is for general information only, we strongly remind you to make application trials in your working environment. Our responsibility for claims arising from breach of warranty, negligence or otherwise is limited to the purchase price of material sold by Real Safety ApS.