Chemical Resistance Chart

Gratings

Chemical environment	Concentration	Polyester Resin	Isopthalic Resin	Vinylester Resin
Acetic Acid	10%	C	C	C
Acetic Acid	25%	S	C	C
Acetic Acid	50%	I	S	C
Acetone	25%	NR	NR	NR
Acetone	100%	NR	NR	I
Aluminum Chloride	-	C	C	C
Aluminum Hydroxide	5%	I	S	C
Aluminum Sulphate	100%	C	C	C
Ammonium Chloride	-	C	C	C
Ammonium Hydroxide	5%	NR	I	C
Ammonium Sulphate	-	C	C	C
Benzene	-	NR	NR	I
Calcium Bisulphate	-	S	C	C
Calcium Hypochlorite	10%	NR	S	C
Calcium Hypochlorite	20%	NR	I	C
Carbon Tetrachloride	-	I	I	S
Chlorinated Water (bleach)	-	I	S	C
Chlorine Wet Gas	-	NR	NR	C
Chloroacetic Acid	50%	NR	NR	I
Chlorobenzene	100%	NR	NR	NR
Chloroform	100%	NR	NR	NR
Chromic Acid	10%	I	S	C
Chromic Acid	20%	NR	NR	S
Chromic Acid	30%	NR	NR	NR
Citric Acid	100%	C	C	C
Copper Sulfate	-	S	C	C
Crude Petroleum	-	C	C	C
Cyclohexane	-	N	NR	S
Detergents Sulfonated	-	I	S	C
Dichloro Benzene	-	NR	NR	NR
Ethanol	100%	I	S	C
Ferric Chloride	100%	C	C	C
Ferric Sulphate	10%	C	C	C
Formaldehyde	44%	I	S	C
Formic Acid	30%	I	S	C
Fuel (diesel, jet, gasoline)	-	S	C	C
Fuel Oil	44%	C	C	C
Glycerine	100%	C	C	C

C = Continuous exposure
S = Frequent exposure to splashes and spills
I = Infrequent exposure to splashes and spills (immediately cleaned up)
NR = Not recommended

Real Safety ApS believes the information and recommendations herein to be accurate and reliable. The corrosion resistance data listed above is for general information only. Testing for specific environments is recommended.

Our responsability for claims arising from breach of warranty, negligence or otherwise is limited to the purchase price of material sold by Real Safety ApS.

REAL SAFETY

Chemical Resistance Chart

Gratings

Chemical environment	Concentration	Polyester Resin	Isopthalic Resin	Vinylester Resin
Heptane	100%	I	S	C
Hexane	100%	I	S	C
Hydrobromic Acid	25%	S	C	C
Hydrobromic Acid	50%	I	S	C
Hydrochloric Acid	20%	I	S	C
Hydrochloric Acid Concentrated	37%	I	S	S
Hydrofluoric Acid	-	NR	NR	NR
Hydrogen Peroxide	30%	NR	NR	C
Kerosene	-	I	S	C
Lactic Acid	-	S	C	C
Mercuric Chloride	-	S	C	C
Methanol	-	NR	I	C
Methyl Chloride	Liquid or gas	NR	NR	NR
Naphtha	100%	C	C	C
Nitric Acid	5%	S	C	C
Nitric Acid	20%	I	S	C
Nitric Acid	35%	NR	NR	C
Nitric Acid Fumes	-	NR	NR	NR
Ozone (sewage treatment)	100%	C	C	C
Phosphoric Acid	10%	C	C	C
Phosphoric Acid	75%	S	C	C
Sea Water	-	C	C	C
Sodium Chloride	Saturated	C	C	C
Sodium Hydroxid	25%	NR	I	C
Sodium Hydroxid	50%	NR	I	C
Sodium Hypochlorite	10%	I	S	C
Sulphuric Acid	10%	S	C	C
Sulphuric Acid	25%	I	S	C
Sulphuric Acid	50%	NR	I	C
Sulphuric Acid	75%	NR	I	S
Toluene	100%	NR	-	I
Trisodium Phosphate	50%	I	S	C
Urea	-	I	S	C
Water (fresh, salt, deionized)	100%	C	C	C
Xylene	-	NR	NR	NR
Zinc Chlorate	-	S	C	C
Zinc Sulphate	-	S	C	C

C = Continuous exposure
S = Frequent exposure to splashes and spills
I = Infrequent exposure to splashes and spills (immediately cleaned up)
NR = Not recommended

Real Safety ApS believes the information and recommendations herein to be accurate and reliable. The corrosion resistance data listed above is for general information only. Testing for specific environments is recommended.

Our responsability for claims arising from breach of warranty, negligence or otherwise is limited to the purchase price of material sold by Real Safety ApS.