Chemical resistance of standard composite gratings:

Chemical type	VE-FR, VE-XFR		ISO-FR, ISO-XFR, FDI-ISO-FR		ECO-NFR, ECO-FR	
	Concentration %	Temperature F/℃	Concentration %	Temperature F/℃	Concentration %	Temp. F/℃
Acetic Acid	50	180/82	50	125/52	5	77/25
Aluminum Hydroxide	100	180/82	100	160/71	ALL	
Ammonium Chloride	ALL	210/99	ALL	170/77	ALL	
Ammonium Bicarbonate	50	160/70	15	125/52	ALL	-
Ammonium Hydroxide	28	100/38	28	N/R	ALL	N/R
Ammonium Sulfate	ALL	210/99	ALL	170/77	ALL	-
Benzene	100	92/40	ALL	N/R	ALL	N/R
Benzoic Acid	SAT	210/99	SAT	150/66	ALL	77/25
Borax	SAT	210/99	SAT	170/77	SAT	113/45
Calcium Carbide	ALL	180/82	ALL	170/77	ALL	-
Calcium Nitrate	ALL	210/99	ALL	180/82	ALL	-
Carbon Tetrachloride	100	92/40	100	N/R	100	N/R
Chlorine, Dry Gas	-	210/99	-	140/60	-	N/R
Chlorine Water	SAT	200/93	SAT	80/27	SAT	N/R
Chromic Acid	10	150/65	5	70/21	5	N/R
Citric Acid	ALL	210/99	ALL	170/77	ALL	77/25
Calcium Chloride	ALL	210/99	ALL	170/77	ALL	104/40
Copper Cyanide	ALL	210/99	ALL	170/77	ALL	77/25
Copper Nitrate	ALL	210/99	ALL	170/77	ALL	-
Ethanol	10	155/82	50	75/24	10	77/25
Ethylene Glycol	100	200/93	100	90/32	100	104/40
Ferric Chloride	ALL	210/99	ALL	170/77	ALL	104/40
Ferrous Chloride	ALL	210/99	ALL	170/77	ALL	86/30
Formaldehyde	37	140/60	50	75/24	25	86/30
Gasoline	100	180/82	100	75/24	100	95/35
Glucose	100	210/99	100	170/77	ALL	
Glycerin	100	210/99	100	150/66	100	
Hydrobromic Acid	50	150/65	50	120/49	18	
Hydrochloric Acid	37	150/65	37	75/24	10	86/30
Hydrofluoric Acid	10	149/65	-	-		
Hydrogen Peroxide	30	150/65	5	100/38	5	NR
Lactic Acid	ALL	210/99	ALL	170/77	ALL	77/25
Lithium Chloride	SAT	210/99	SAT	150/66	ALL	
Magnesium Chloride	ALL	210/99	ALL	170/77	ALL	104/40
Magnesium Nitrate	ALL	210/99	ALL	140/60	ALL	86/30
Magnesium Sulfate	ALL	210/99	ALL	170/77	ALL	104/40
Mercuric Chloride	100	210/99	100	150/66	100	104/40
Mercurous Chloride	ALL	210/99	ALL	140/60	ALL	104/40
Methacrylic Acid	99	95/35	-	-		
Methanol	10	183/84	N/R	N/R	N/R	N/R
Nickel Chloride	ALL	210/99	ALL	170/77	ALL	104/40
Nickel Sulfate	ALL	210/99	ALL	170/77	ALL	104/40
Nitric Acid	20	130/54	20	70/21	20	N/R

Chemical type	VE-FR, VE-XFR		ISO-FR, ISO-XFR, FDI-ISO-FR		ECO-NFR, ECO-FR	
	Concentration %	Temperature F/℃	Concentration %	Temperature F/℃	Concentration %	Temp. F/℃
Oxalic Acid	ALL	210/99	ALL	75/24	ALL	N/R
Perchloric Acid	30	100/38	10	N/R	10	N/R
Phosphoric Acid	100	210/99	100	120/49	80	N/R
Potassium Chloride	ALL	210/99	ALL	170/77	ALL	104/40
Potassium Dichromate	ALL	210/99	ALL	170/77	ALL	77/25
Potassium Nitrate	ALL	210/99	ALL	170/77	ALL	104/40
Potassium Sulfate	ALL	210/99	ALL	170/77	ALL	104/40
Propylene Glycol	ALL	210/99	ALL	170/77	ALL	104/40
Sea Water	ALL	210/99	ALL	158/70	ALL	113/45
Sodium Acetate	ALL	210/99	ALL	160/71	ALL	104/40
Sodium Bisulfate	ALL	210/99	ALL	170/77	ALL	
Sodium Bromide	ALL	210/99	ALL	170/77	5	-
Sodium Cyanide	ALL	210/99	ALL	170/77	5	N/R
Sodium Hydroxide	25	180/82	N/R	N/R	N/R	N/R
Sodium Nitrate	ALL	210/99	ALL	170/77	ALL	104/40
Sodium Sulfate	ALL	210/99	ALL	170/77	ALL	104/40
Stannic Chloride	ALL	210/99	ALL	160/71	ALL	104/40
Sulfuric Acid	SO	183/80	25	75/24	10	-
Tartaric Acid	ALL	210/99	ALL	170/77	ALL	-
Vinegar	100	210/99	100	170/77	ALL	-
Vfeter, Distilled	100	180/82	100	170/77	ALL	86/30
Zine Nitrate	ALL	210/99	ALL	170/77	ALL	104/40
Zine Sulfate	ALL	210/99	ALL	170/77	ALL	104/40

Key

ALL - any concentration
SAT - saturated solutions
NR - not recommended
\- - no information available