SURESTEP
SURESTEP ANTI-SLIP PRODUCTS

COMPOSITE PROFILES PTY LTD
A.C.N. 055 901 329

CHEMICAL RESISTANCE GUIDE FOR SURESTEP FRP GRATING

CHEMICAL ENVIRONMENT	VINYL ESTER RESIN		ISOPHTHALIC POLYESTER	
	CONCENTRATION (%)	MAX.OPER.TEMP (C°)	CONCENTRATION (%)	MAX.OPER.TEMP (C°)
Hydrochloric Acid	37	65	37	24
Sulfuric Acid	50	80	25	24
Nitric Acid	20	54	20	21
Phosphoric Acid	100	99	100	49
Hydrobromic Acid	50	65	50	49
Tartaric Acid	ALL	99	ALL	77
Lactic Acid	ALL	99	ALL	77
Oxalic acid	ALL	99	ALL	24
Borax	SAT	99	SAT	77
Citric Acid	ALL	99	ALL	77
Acetic Acid	50	82	50	52
Benzoic Acid	SAT	99	SAT	66
Methacrylic Acid	99	35	-	-
Hydrofluoric Acid	10	65	-	-
Ferric Chloride	ALL	99	ALL	77
Sodium Sulphate	ALL	99	ALL	77
Ammonium Chloride	ALL	99	ALL	77
Magnesium Sulphate	ALL	99	ALL	77
Potassium Nitrate	ALL	99	ALL	77
Sodium Cyanide	ALL	99	ALL	77
Sodium Hydroxide	10	68	N/R	-
Calcium Carbonate	ALL	82	ALL	77
Carbon Tetrachloride	THICK	40	N/R	-
Formaldehyde	37	60	50	24
Methanol	10	84	N/R	-
Ethanol	10	82	N/R50	24
Gasoline	100	82	100	24
Benzene	THICK	40	N/R	-
Glycerine	100	99	100	66
Water Distilled	100	82	100	77
Sea Water	ALL	99	ALL	70
Glucose	100	99	100	77
Vinegar	100	99	100	77
Chlorine Water	SAT	93	SAT	27

Remarks:

1. Resin manufacturers have provided test data which indicates that the resin can withstand the corrosion conditions listed above. Composite Profiles Pty Ltd believes the data to be true and accurate but no guarantee is expressed, and the corrosion resistance data listed above is for general information only. Testing for specific environments is recommended.
2. If Surestep products are used in other environments not mentioned above, please contact Composite Profiles Pty Ltd.
3. ALL refers to All concentration, SAT refers to saturated solution and N/R mean not recommended or no information is available.