

Technical Resources Area



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Plascoat PPA 571 Chemical Resistance

The following guide is based on results from a representative selection of chemicals. The samples have been permanently immersed in the chemical for a period of up to **12 months**.

Those marked 'NR' are not recommended for long term contact, but **may** be suitable for short term "splash" resistance. Please contact the Plascoat Technical Centre or your local representative.

Maximum Temperature of Use °C			
Chemical	Plascoat PPA 571		
	A	B	C
	D	E	F
	G	H	I
	J	K	L
	M	N	O
	P	Q	R
	S	T	U
	V	W	X
	Y	Z	
	Splash	Occasional short-term contact	Prolonged/continuous contact
A			
Acetaldehyde (40%)	20	20	20
Acetamide	20	20	NR
Acetic Acid (30%)	60	20	20
Acetic Acid (80%)	60	20	NR
Acetic Acid Glacial	NR	NR	NR
Acetic Anhydride	20	20	NR
Acetone	20	20	NR
Acetyl Chloride	20	20	NR
Adipic Acid (20%)	20	60	60
Alcohols	20	20	NR
Allyl Chloride	20	NR	NR
Aluminium Salts soln (15%)	60	60	60
Ammonia Dilute (10%)	20	20	20
Ammonia Soln (conc.)	20	NR	NR
Amyl Acetate	20	20	NR
Amyl Chloride	20	20	NR
Aniline	20	20	20
Arklone (Cleaning Solvent)	20	NR	NR
Aviation Fuel	20	NR	NR
B			
Barium salts soln (15%)	60	60	60
Benzaldehyde	20	20	NR
Benzoic acid (20%)	60	60	60
Bleach (Na hypochlorite 12%)	20	NR	NR
Borax	60	60	60
Boric acid	60	60	60
Brine (15%)	60	60	60
Brine (5%)	60	60	60
Bromine water	20	NR	NR
Butadiene	20	NR	NR
Butandiol	20	20	20
Butane	20	20	20
Butyl Acetate	20	20	20
Butyl Chloride	20	20	NR
C			
Calcium hypochlorite (10%)	20	NR	NR
Calcium salts soln (15%)	60	60	60
EXCEPT: Calcium Hydroxide (30%)	20	20	NR
Carbon disulphide	20	NR	NR
Carbon tetrachloride	20	NR	NR
Carbonic acid	60	60	60
Caustic soda (See SODIUM HYDROXIDE)	NR	NR	NR
Cellosolve Acetate	20	20	20

Chlorine in sea water (5 ppm)	20	20	20
Chlorine water (0.7g/1)	20	NR	NR
Chlorobenzene	20	NR	NR
Chloroform	20	NR	NR
Chromic acid (15%)	20	NR	NR
Chromic acid (25%)	20	NR	NR
Citric Acid (20%)	60	60	60
Copper salt soln (15%)	60	60	60
D			
Detergent (30%)	60	60	60
Detergent (70%)	20	20	20
Detergent Powder (dry)	60	60	60
Dibutylphthallate	20	20	20
Dichloroethylene	20	NR	NR
Diethylamine	20	NR	NR
Diethylene Glycol	20	20	20
Diethylether	20	NR	NR
Dimethylamine (20%)	20	NR	NR
Dimethylformamide	20	20	NR
Dioxane 1.4	20	NR	NR
E			
Ethane	20	20	20
Ethers	20	NR	NR
Ethyl Alcohol (ethanol)	20	20	NR
Ethyl acetate	20	20	20
Ethyl chloride	20	NR	NR
Ethylene Bromide	20	NR	NR
Ethylene Chloride	20	NR	NR
Ethylene Diamine	20	NR	NR
Ethylene Dichloride	20	NR	NR
Ethylene Glycol	20	NR	NR
F			
Fluorine	NR	NR	NR
Formaldehyde (1%)	20	20	20
Formaldehyde (20 w/w)	20	20	20
Formaldehyde 10% (Formalin)	20	20	20
Formic acid (20%)	20	20	20
G			
Genklene	20	NR	NR
Glucose	60	60	60
Glycerol (Glycerine)	60	60	60
H			
Heptane	20	20	20
Hexane	20	20	20
Hydrobromic acid (5%)	20	20	20
Hydrobromic acid (30%)	20	20	NR
Hydrochloric acid 5% (sg 1.03)	60	60	60
Hydrochloric acid (10%)	20	20	20
Hydrochloric acid (20%)	20	20	NR
Hydrochloric acid 37% (sg 1.18)	20	20	NR
Hydrocyanic acid (5%)	60	60	60
Hydrofluoric acid 5% (sg 1.02)	20	20	20
Hydrofluoric acid 30% (sg 1.12)	20	20	20
Hydrofluoric acid (40%)	20	NR	NR
Hydrofluoric acid (70%)	NR	NR	NR
Hydrofluoric acid (100%)	NR	NR	NR
Hydrogen Peroxide (10%)	20	NR	NR
Hydrogen Peroxide (90%)	NR	NR	NR
Hydrogen Sulphide (5%)	60	60	60
Hypochlorous acid (5%)	20	NR	NR
I			
Iodine Soln (0.7g/1)	20	NR	NR
Iron Salt (10%)	60	60	60
Isopropanol (70%)	20	20	NR
Isopropylacetate	20	NR	NR
K			
Kerosene	20	20	20
Ketones	20	20	NR
L			

Lactic acid (20%)	60	60	60
Linoleic acid	20	20	20
Linseed Oil	20	20	20
LPG	20	20	20
M			
Machine Oil	20	20	20
Magnesium Salt solns (15%)	60	60	60
Mercuric Salt solns (15%)	60	60	60
Methane	20	20	20
Methanol	20	20	NR
Methyl Acetate	20	20	20
Methyl Bromide	20	20	NR
Methyl Cellosolve	20	20	20
Methyl Dichloride	20	20	NR
Methyl Ethyl Ketone	20	20	NR
Methyl Isobutyl Ketone	20	NR	NR
Methylene Chloride (100%)	20	NR	NR
Mineral Oil	20	20	20
N			
Naphthalene	20	20	NR
Nickel Salt solns (15%)	60	60	60
Nitric acid (5%)	20	20	20
Nitric acid 10% (sg 1.05)	20	20	NR
Nitric acid (20%)	20	20	NR
Nitric acid 30% (sg 1.18)	20	NR	NR
Nitric acid (70%)	20	NR	NR
Nitric acid Fuming (sg 1.51)	NR	NR	NR
Nitrobenzene	20	NR	NR
Nitrous acid (10%)	20	20	20
O			
Octane	20	20	20
Oleic acid	20	20	NR
Ozone	20	20	20
P			
Paraffin	20	20	20
Peracetic acid	20	20	NR
Petrol	20	20	20
Phenol (10%)	20	20	NR
Phenol in water (20 w/w)	20	20	20
Phosphoric acid 20% (sg 1.1)	60	60	60
Phosphoric acid (30%)	20	20	20
Phosphoric acid (85%)	20	NR	NR
Phosphoric acid conc (sg 1.87)	20	NR	NR
Polyglycol Ethers	20	NR	NR
Potassium salt solns (15%)	60	60	60
EXCEPT:			
Potassium Hydroxide (5%)	20	NR	NR
Potassium Hydroxide (10%)	20	NR	NR
Potassium Hypochlorite (15%)	20	20	NR
Potassium Permanganate (15%)	20	20	NR
Potassium Hydroxide (30%)	20	NR	NR
Propylene Dichloride	20	NR	NR
R			
Rubber Latex	60	60	60
S			
Silver Nitrate (15%)	60	60	60
Slurry-cow/pig/poultry	30	30	30
Sodium Carbonat (2%)	60	60	60
Sodium Carbonate (15%)	60	60	60
Sodium Chloride (5%)	60	60	60
Sodium Chloride (10%)	60	60	60
Sodium Hydroxide (1%)	20	20	20
Sodium Hydroxide (5%)	20	20	NR
Sodium Hydroxide (10%)	20	20	NR
Sodium Hydroxide (30%)	20	20	NR
Sodium Hypochlorite 12% C1	20	NR	NR
Sodium Sulphate (15%)	60	60	60
Starch	60	60	60
Sulphur Dioxide Wet Grades (100%)	20	NR	NR

Sulphur Dioxide Wet Grades (5%)	20	20	20
Sulphuric acid (10%)	20	20	20
Sulphuric acid 34% (sg 1.25)	20	20	20
Sulphuric acid (50%)	20	20	20
Sulphuric acid 100% (sg 1.83)	NR	NR	NR
Sulphurous acid (15%)	20	20	20
T			
Tetrachloroethylene	20	20	NR
Tetrahydrofuran	20	NR	NR
Toluene	20	NR	NR
Trichloroethylene	20	20	NR
Trichloroacetic acid (10%)	NR	NR	NR
Trichloroacetic acid (100%)	20	20	NR
Trichlorophenol	20	20	NR
Turpentine (White Spirit)	20	20	20
W			
Water	60	60	60
X			
Xylene	20	NR	NR
Z			
Zinc Chloride	60	60	60
Zinc Sulphate	60	60	60

[-- More information on PPA 571 --](#)

[-- PPA571 - case studies --](#)

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