

CHEMICAL RESISTANCE OF PPA 571 COATINGS

Prolonged Contact refers to where the coating material is immersed in the chemical permanently or intermittently for long periods of time.

Occasional Short Term Contact refers to where the coating is exposed either once or intermittently for short periods of time only.

Splash refers to where the coating is exposed to the chemical for a very short time only through accidental contact.

NR = NOT RECOMMENDED. Figures in table are maximum temperatures for contact

	Splash	Occasional Short Term Contact	Prolonged Contact
Acetaldehyde (40%)	20	20	20
Acetamide	20	20	NR
Acetic Acid (30%)	60	20	20
Acetic Acid (80%)	60	20	NR
Acetic Acid (Glacial)	20	NR	NR
Acetic Anhydride	20	20	NR
Acetone	20	20	NR
Acetyl Chloride	20	20	NR
Adipic Acid (20%)	60	60	60
Alcohols	20	20	NR
Allyl Chloride	20	NR	NR
Aluminium Salts (15% soln.)	60	60	60
Ammonia (conc.soln.)	20	NR	NR
Ammonia (dilute soln. (10%)	20	20	20
Amyl Acetate	20	20	NR
Amyl Chloride	20	20	NR
Aniline	20	20	NR
Arklone	20	NR	NR
Aviation Fuel	20	NR	NR
Barium Salts (15% soln.)	60	60	60
Benzaldehyde	20	20	NR
Benzoic Acid (20%)	60	60	60
Bleach (Sodium Hypochlorite, 12%)	20	NR	NR
Borax	60	60	60
Boric Acid	60	60	60
Brine (5%)	60	60	60
Brine (15%)	60	60	60
Bromine Water	20	NR	NR
Butadiene	20	NR	NR
Butane	20	20	20
Butanediol	20	20	20
Butyl Acetate	20	20	20
Butyl Chloride	20	20	NR
Calcium Salts (15% soln.)	60	60	60
Calcium Hydroxide (30%)	20	20	NR
Calcium Hypochlorite (10%)	20	NR	NR
Carbon Disulphide	20	NR	NR
Carbonic Acid	60	60	60

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	Splash	Occasional Short Term Contact	Prolonged Contact
Caustic Soda (see Sodium Hydroxide)	20	NR	NR
Carbon Tetrachloride	20	NR	NR
Cellosolve Acetate	20	20	20
Chlorine in Sea Water (5 ppm)	20	20	20
Chlorine Water (0.7 g/l)	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 Salts (15% soln.)	60	60	60
Detergent (30%)	60	60	60
Detergent (70%)	20	20	20
Dibutylphthalate	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	20
Dioxane 1.4	20	NR	NR
Ethane	20	-	-
Ethers	20	NR	NR
Ethyl Acetate	20	20	20
Ethyl Alcohol (Ethanol)	20	20	NR
Ethyl Chloride	20	NR	NR
Ethylene Bromide	20	NR	NR
Ethylene Chloride	20	NR	NR
Ethylene Diamine	20	NR	NR
Ethylene Glycol	20	NR	NR
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
Glucose	60	60	60
Glycerol (Glycerine)	60	60	60
Genklene	20	NR	NR
Heptane	20	20	20

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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%)	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	20	NR	NR
Iodine soln. (0.7 g/l)	20	NR	NR
Isopropanol (70%)	20	20	NR
Isopropylacetate	20	20	NR
Iron Salts (10% soln.)	60	60	60
Kerosene	20	20	20
Ketones	20	20	NR
Lactic Acid (20%)	60	60	60
Linoleic Acid	20	20	20
Linseed Oil	20	20	20
Liquid Propane Gas	20	20	20
Machine Oil	20	20	20
Magnesium Salts (15% soln.)	60	60	60
Mercuric Salts (15% soln.)	60	60	60
Methanol	20	20	NR
Methyl Acetate	20	20	20
Methyl Bromide	20	20	NR
Methyl Cellosolve	20	20	20
Methyl Ethyl Ketone	20	20	NR
Methyl Isobutyl Ketone	20	20	NR
Methyl Dichloride	20	NR	NR
Methylene Chloride (100%)	20	NR	NR
Mineral Oil	20	20	20
Naphthalene	20	20	NR

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	Splash	Occasional Short Term Contact	Prolonged Contact
Nickel Salts (15% soln.)	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	20	20	20
Octane	20	20	20
Oleic Acid	20	20	NR
Ozone	20	20	20
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 Salts (15% soln.) (other than potassium permanganate)	60	60	60
Potassium Hypochlorite (15%)	20	NR	NR
Potassium Permanganate (15%)	20	NR	NR
Potassium Hydroxide (5%)	20	20	NR
Potassium Hydroxide (10%)	20	20	NR
Potassium Hydroxide (30%)	20	NR	NR
Propylene Dichloride	20	NR	NR
Rubber Latex	60	60	60
Silver Nitrate (15%)	60	60	60
Slurry (cow, pig, poultry etc.)	30	30	30
Sodium Carbonate (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

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Sodium Hydroxide (30%)	20	20	NR
Sodium Hypochlorite	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)	20	NR	NR
Sulphurous Acid (15%)	20	20	20
Tetrachloroethylene	20	20	NR
Tetrahydrofuran	20	NR	NR
Toluene	20	NR	NR
Trichloroacetic Acid (10%)	20	20	NR
Trichloroacetic Acid (100%)	20	NR	NR
Trichloroethylene	20	20	NR
Trichlorophenol	20	20	NR
Turpentine (White Spirit)	20	20	20
Water	60	60	60
Xylene	20	NR	NR
Zinc Chloride	60	60	60
Zinc Sulphate	60	60	60

Quality

Plascoat Systems is committed to the manufacture and supply of a wide range of thermoplastic coating powders. This service is backed by the unrivalled experience of over 40 years of powder coating application. With a policy of continuous improvement to its range of products.

Plascoat reserves the right to alter or amend any item. Stringent quality control procedures are carried out at every stage of manufacture and Plascoat Systems operates a quality management system approved by BSI in accordance with ISO 9001.

Plascoat Systems can offer a size reduction service for Plastics and other materials and through our sister company, Plastic Coatings, a comprehensive custom coating service.

Plascoat is a subsidiary member of the IPT group of Companies.

Plascoat is a UK registered trade name.

It should be appreciated here that the information given here is, to the best of our knowledge, true and accurate. However, since conditions under which our materials may be used are beyond our control, recommendations are made without warranty or guarantee.