

### Chemical Resistance of Sorea Acrylic Sheets

Chemical	Resistance Level	Chemical	Resistance Level
<b>PAINT</b>		<b>CHEMICAL PROCESS BATHS</b>	
Acrylic paints & lacquers	LR	Electric baths	R
Aromatic-free hydrocarbons	R	Photographic baths	R
Nitrocellulose	NR		
Oil paints, pure	R		
Thinners, general	NR		
<b>BUILDING MATERIALS &amp; PROTECTIVE</b>		<b>DISINFECTANTS</b>	
Bituminous emulsion	NR	Aqueous hypochlorite solution	R
Cement	R	bleaching power to 55%	R
Hot bitumen	LR	Carbolic acid	NR
Mortar	R	Hydrogen peroxide to 40%	R
Plaster of Paris	R	Hydrogen peroxide over 40%	LR
Red lead	R	Lugol solution	R
		Mercuric chloride	R
		Surgical spirit	NR
		Tincture of Iodine 5%	NR
<b>PLASTICS</b>		<b>GREASES, OILS, WAXES</b>	
Foams	R	Animal	R
Foams, containing plasticizer	NR	Mineral	R
Polyamide	R	Silicone oil	LR
Polyethylene	R	Vegetable	LR
PVC	R		
PVC, plasticized	NR		
Rubber	R		
Rubber, containing plasticizer	NR		
<b>FOODSTUFFS, SPICES</b>		<b>GASES AND VAPORS</b>	
Aniseed, bay, nutmeg	R	Ammonia	R
Cloves	NR	Bromine vapor (dry)	LR
Coffee beans, unflavored	R	Carbon dioxide	R
Coffee beans, flavored	LR	Carbon monoxide	R
Honey, pure	R	Chloride vapor (dry)	LR
Ice Cream	R	Exhaust gases containing HCl	R
Marinades	R	Exhaust gases containing HF	R
Meat and Fish	R	Exhaust gases cont. sulphur	R
Pepper, cinnamon, onions	R	Hydrogen sulphide	R
Salt	R	Methane	R
		Nitric Oxide	R
		Oxygen	R
		Ozone	R
		Sulphur dioxide	R
		Natural Gas ( Butane)	R
<b>Beverages, etc</b>		<b>KEY:</b> <b>R: RESISTANT</b> <b>LR: LIMITED RESISTANCE</b> <b>NR: NOT RESISTANT</b>	
Beer, wine	R		
Chamomile extracts	R		
Chocolate	R		
Coffee, tea	R		
Fruit juice, milk, coffee	R		
Spirits, 10 30%	R		
Vinegar	R		
Water, mineral waters	R		

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<b>CHEMICALS, SOLVENTS, ETC.</b>		<b>CLEANING AGENTS</b>	
Acetic Acid, glacial	NR	Ethyl bromide	NR
Acetic acid to 255	LR	Ethyl butyrate	NR
Acetic acid 5% (vinegar)	R	Ethylene bromide	NR
Acetone	NR	Ferric chloride	R
Alum	R	Ferrous chloride	R
Aluminum chloride	R	Ferrous sulphate	R
Aluminum oxalate	R	Formic acid to 2%	R
Aluminum sulphate	R	Formic acid to 40%	LR
Ammonia aqueous solution	R	Glycerol	R
Ammonia sulphate	R	Glycol	R
Amyl acetate	NR	Heptate	R
Aniline	NR	Hexane	R
Arsenic	R	Hydrochloric acid	R
Arsenic acid	R	Hydrofluoric acid to 20%	R
Battery acid	R	Hydrogen peroxide over 40%	LR
Benzaldehyde	NR	Hydrogen peroxide to 40%	R
Benzene	NR	Iodine	R
Bromine	NR	Isopropyl alcohol to 50%	LR
Butanol	LR	Lactic acid to 80%	LR
Butyl lactate	NR	Magnesium chloride	R
Butyric acid to 5%	R	Magnesium sulphate	R
Calcium chloride	R	Manganese sulphate	R
Calcium hypochlorite	R	Mercury	R
Carbon disulfide	NR	Methanol, absolute	NR
Carbon tetrachloride	NR	Methanol to 15%	LR
Chlorinated hydrocarbons	NR	Methyl ethyl ketone	NR
Chlorine liquid	NR	Methylated spirits	NR
Chlorine water	LR	Milk of lime	R
Chloroethyl acetate	NR	Motor fuel benzene free	R
Chromic acid	LR	Motor fuel with benzene	NR
Citric acid to 20%	R	Nickel sulphate	R
Copper sulphate	R	Nitric acid to 20%	R
Cresol	NR	Nitric acid 20-70%	LR
Cyclohexane	R	Nitric acid over 70%	NR
Diacetone alcohol	NR	Oxalic acid	R
Diamyl phthalate	LR	Parafin	LR
Dibutyl phthalate	NR	Perchloroethylene	NR
Diethylene glycol	R	Petroleum ether	R
Dioxane	NR	Phenols	NR
Ether	NR	Phosphoric acid to 10%	R
Ethyl acetate	NR	Phosphorus trichloride	NR
Ethyl alcohol to 15%	R	Phosphorus	NR
Ethyl alcohol 15-30%	LR	Picric acid 1% in water	R
Ethyl alcohol absolute	NR	Potassium dichromate	R

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Potassium carbonate	R	Acids, see under chemicals	
Potassium chloride	R	Alcohol, absolute	NR
Potassium cyanide	R	Alcohol to 30%	R
Potassium hydroxide	R	Alkalis, see under chemicals	
Potassium nitrate	R	Ammonia	R
Potassium permanganate	R	Carbon tetrachloride	NR
Silicon tetrachloride	NR	Methylated spirits	NR
Silver Nitrate	R	Parafin	LR
Soap solution	R	Perchlorethylene	NR
Soda	R	Petrol, pure	R
Sodium bisulphate	R	Petrol mixture containing benze	NR
Sodium carbonate	R	Petroleum ether	R
Sodium chlorate	R	Soap solution	R
Sodium chloride	R	Soda solution	R
Sodium hydroxide	R	Solvent stain removers	NR
Sodium hypochloride	R	Trichloroethylene	NR
Sodium sulphate	R	Turpetine	LR
Sodium sulphide	R	Turpentine substitute	LR
Stearic acid	R		
Sulphur	R	<b>PEST CONTROL AGENTS</b>	
Sulphur dioxide	NR	Aqueous solutions of pesticides	LR
Sulphuric acid	R		
Sulphurous acid, conc.	NR	<b>MISCELLANEOUS</b>	
Sulphurous acid to 5%	R	Urine	R
Sulphuryl cgloride	R		
Tartacic acid to 50%	R	<b>OTHER</b>	
Thionyl chloride	NR	Nail polish	NR
Toluene	NR	Nail polish remover	NR
Triethylame	R	Peat water	R
Trichloroacetic acid	NR	Sea water	R
Tricsyl phosphate	R	Soaps	R
Turpentine	LR	Sprays	LR
Turpentine substitute	LR		
Urea to 20%	R		
Xylene	NR		
Zinc sulphate, aqueous	LR		
Zinc sulphate solid	R		