



**ANCHORS & FASTENERS**

**AC200+™**

Chemical Agent	Concentration %	Resistant	Not Resistant
Accumulator acid			•
Acetic acid	10	•	
Acetic acid	40		•
Laitance			•
Acetone	5	•	
Acetone	10		•
Acetone	100		•
Ammonia, aqueous solution	5		•
Ammonia, aqueous solution	32		•
Aniline	100		•
Beer	100		•
Chlorine	all		•
Benzol	100		•
Benzyl alcohol	100	•	
Boric acid, aqueous solution			•
Calcium carbonate, suspended in water	all		•
Calcium chloride, suspended in water		•	
Calcium hydroxide, suspended in water			•
Chlorinated lime (calcium hypochlorite)	10	•	
Carbon tetrachloride	100		•
Caustic soda solution	10		•
Caustic soda solution	40		•
Citric acid	10	•	
Citric acid	50		•
Citric acid	all		•
Chlorine water, swimming pool	all	•	
Deminerlized water	all	•	
Diesel oil	100		•
Ethyl alcohol, aqueous solution	100		•
Ethyl alcohol, aqueous solution	50		•
Formic acid	10		•
Formic acid	30		•
Formic acid	100		•
Formaldehyde, aqueous solution	20		•
Formaldehyde, aqueous solution	30		•
Freon			•
Fuel oil		•	
Gasoline (premium grade)	100	•	
Glycol (ethylene glycol)			•
Hydraulic fluid	conc.	•	
Hydrochloric acid (muriatic acid)	conc.		•
Hydrogen peroxide	10		•
Hydrogen peroxide	30		•
Isopropyl alcohol	100		•
Kerosene (jet fuel)	100	•	
Lactic acid	10	•	
Lactic acid	all		•
Linseed oil	100	•	
Lubricating oil	100	•	
Magnesium chloride, aqueous solution	all		•
Methanol	100		•
Standard benzine			•
Motor oil (SAE 20 W-50)	100		•
Nitric acid	10		•
Oleic acid	100		•
Perchloroethylene	100		•
Petroleum	100		•
Phenol, aqueous solution	8		•
Phosphoric acid	85		•
Phosphoric acid	10	•	
Potash lye (potassium hydroxide)	10		•
Potash lye (potassium hydroxide)	40		•
Potassium carbonate, aqueous solution	all		•
Potassium chlorite, aqueous solution	all		•
Potassium nitrate, aqueous solution	all		•
Sodium carbonate	all	•	
Sodium chloride, aqueous solution	all		•
Sodium phosphate, aqueous solution	all		•
Sodium silicate	all		•
Sulfuric acid	10	•	
Sulfuric acid	30		•
Sulfuric acid	70		•
Tartaric acid	all		•
Tetrachloroethylene	100		•
Toluene			•
Trichloroethylene	100		•
Turpentine	100		•

Results shown in the table are applicable to brief periods of chemical contact with fully cured adhesive (e.g. temporary contact with the adhesive during a spill).  
ESR-4027

**ADHESIVE CHEMICAL RESISTANCE TABLES**

**Pure220+™**

Chemical Agent	Concentration %	Resistant	Not Resistant
Accumulator acid			•
Acetic acid	10		•
Acetic acid	40		•
Laitance		•	
Acetone	5		•
Acetone	10		•
Acetone	100		•
Ammonia, aqueous solution	5	•	
Ammonia, aqueous solution	32		•
Aniline	100		•
Beer	100	•	
Benzyl alcohol	100		•
Chlorine	all	•	
Phosphoric acid	85	•	
Boric acid, aqueous solution			•
Calcium carbonate, suspended in water	all		•
Calcium chloride, suspended in water		•	
Calcium hydroxide, suspended in water			•
Chlorinated lime (calcium hypochlorite)	10		•
Carbon tetrachloride	100	•	
Caustic soda solution	10	•	
Caustic soda solution	40	•	
Citric acid	10		•
Citric acid	50		•
Citric acid	all	•	
Chlorine water, swimming pool	all		•
Deminerlized water	all		•
Diesel oil	100	•	
Ethyl alcohol, aqueous solution	100		•
Ethyl alcohol, aqueous solution	50		•
Formic acid	10	•	
Formic acid	30		•
Formic acid	100		•
Formaldehyde, aqueous solution	20	•	
Formaldehyde, aqueous solution	30	•	
Freon			•
Fuel oil		•	
Gasoline (premium grade)	100	•	
Glycol (ethylene glycol)			•
Hydraulic fluid	conc.		•
Hydrochloric acid (muriatic acid)	conc.		•
Hydrogen peroxide	10		•
Hydrogen peroxide	30		•
Isopropyl alcohol	100		•
Kerosene (jet fuel)	100	•	
Lactic acid	10		•
Lactic acid	all		•
Linseed oil	100	•	
Lubricating oil	100	•	
Magnesium chloride, aqueous solution	all	•	
Methanol	100		•
Standard benzine			•
Motor oil (SAE 20 W-50)	100	•	
Nitric acid	10		•
Oleic acid	100	•	
Perchloroethylene	100	•	
Petroleum	100		•
Phenol, aqueous solution	8		•
Phosphoric acid	10	•	
Potash lye (potassium hydroxide)	10	•	
Potash lye (potassium hydroxide)	40	•	
Potassium carbonate, aqueous solution	all	•	
Potassium chlorite, aqueous solution	all	•	
Potassium nitrate, aqueous solution	all	•	
Sodium carbonate	all	•	
Sodium chloride, aqueous solution	all	•	
Sodium phosphate, aqueous solution	all	•	
Sodium silicate	all	•	
Sulfuric acid	10		•
Sulfuric acid	30		•
Sulfuric acid	70		•
Tartaric acid	all	•	
Tetrachloroethylene	100	•	
Toluene			•
Trichloroethylene	100		•
Turpentine	100	•	

Results shown in the table are applicable to brief periods of chemical contact with fully cured adhesive (e.g. temporary contact with the adhesive during a spill).  
ESR-5144



# ANCHORS & FASTENERS

# ADHESIVE CHEMICAL RESISTANCE TABLES

## AC100+ Gold®

Chemical Agent	Concentration %	Resistant	Not Resistant
Accumulator acid		•	
Acetic acid	40		•
Acetic acid	10	•	
Acetone	10		•
Ammonia, aqueous solution	5	•	
Aniline	100		•
Beer		•	
Benzene	100	•	
Benzole	100		•
Boric acid, aqueous solution		•	
Calcium carbonate, suspended in water	All	•	
Calcium chloride, suspended in water		•	
Calcium hydroxide, suspended in water		•	
Carbon tetrachloride	100	•	
Caustic soda solution	10	•	
Citric acid	All	•	
Diesel fuel	100	•	
Ethyl alcohol, aqueous solution	50		•
Ethylene glycol		•	
Formic acid	100		•
Formaldehyde, aqueous solution	30	•	
Freon		•	
Fuel oil		•	
Gasoline (premium grade)	100	•	
Hydraulic fluid	Conc.	•	
Hydrochloric acid (muriatic acid)	Conc.		•
Hydrogen peroxide	30		•
Isopropyl alcohol	100		•
Kerosene (jet fuel)	100	•	
Lactic acid	All	•	
Linseed oil	100	•	
Lubricating oil	100	•	
Magnesium chloride, aqueous solution	All	•	
Methanol	100		•
Motor oil (SAE 20 W-50)	100	•	
Nitric acid	10		•
Oleic acid	100	•	
Perchloroethylene	100	•	
Phenol, aqueous solution	8		•
Phosphoric acid	85	•	
Potash lye (potassium hydroxide)	10	•	
Potassium carbonate, aqueous solution	All	•	
Potassium chlorite, aqueous solution	All	•	
Potassium nitrate, aqueous solution	All	•	
Sodium bisulfite	15	•	
Sodium carbonate	All	•	
Sodium chloride, aqueous solution	All	•	
Sodium hypochlorite	25	•	
Sodium phosphate, aqueous solution	All	•	
Sodium silicate	All	•	
Sulfuric acid	10	•	
Sulfuric acid	70		•
Tartaric acid	All	•	
Tetrachloroethylene	100	•	
Toluene			•
Trichloroethylene	100		•
Turpentine	100	•	

Results shown in the table are applicable to brief periods of chemical contact with fully cured adhesive (e.g. temporary contact with the adhesive during a spill).  
ESR-2582

## Pure110+®

Chemical Agent	Concentration %	Resistant	Not Resistant
Acetic acid (vinegar)	40		•
Acetone	10		•
Ammonia, aqueous solution	5	•	
Aniline	100		•
Beer	100	•	
Benzene	100	•	
Benzole	100		•
Boric acid, aqueous solution		•	
Calcium carbonate, suspended in water	All	•	
Calcium chloride, suspended in water		•	
Calcium hydroxide, suspended in water		•	
Carbon tetrachloride	100	•	
Caustic soda	10	•	
Citric acid	All	•	
Chlorine	All	•	
Diesel fuel	100	•	
Ethyl alcohol, aqueous solution	50		•
Ethylene glycol		•	
Formaldehyde, aqueous solution	30	•	
Formic acid	100		•
Formic acid	10	•	
Freon		•	
Fuel oil		•	
Gasoline (premium grade)	100	•	
Hydrogen peroxide	30		•
Hydrochloric acid (muriatic acid)	Conc.		•
Isopropyl alcohol	100		•
Kerosene (jet fuel)	100	•	
Lactic acid	All		•
Laitance		•	
Linseed oil	100	•	
Lubricating oil	100	•	
Magnesium chloride, aqueous solution	All	•	
Methanol	100		•
Motor oil (SAE 20 W-50)	100	•	
Nitric acid	10		•
Oleic acid	100	•	
Perchloroethylene	100	•	
Phenol, aqueous solution	8		•
Phosphoric acid	85	•	
Potash lye (potassium hydroxide, 10% and 40% solutions)		•	
Potassium carbonate, aqueous solution	All	•	
Potassium chlorite, aqueous solution	All	•	
Potassium nitrate, aqueous solution	All	•	
Sodium bisulfite	15	•	
Sodium carbonate, aqueous solution	All	•	
Sodium chloride, aqueous solution	All	•	
Sodium hypochlorite	25	•	
Sodium phosphate, aqueous solution	All	•	
Sodium silicate	All	•	
Sulfuric acid	30		•
Tartaric acid	All	•	
Tetrachloroethylene	100	•	
Toluene			•
Trichloroethylene	100		•
Turpentine	100	•	

Results shown in the table are applicable to brief periods of chemical contact with fully cured adhesive (e.g. temporary contact with the adhesive during a spill).  
ESR-3298

**AC50™**

Chemical Agent	Concentration %	Resistant	Not Resistant
Accumulator acid			•
Acetic acid	40		•
Acetic acid	10	•	
Acetone	10		•
Ammonia, aqueous solution	5	•	
Aniline	100		•
Beer		•	
Benzene (kp 100-140°F)	100	•	
Benzole	100		•
Boric acid, aqueous solution			•
Calcium carbonate, suspended in water	All	•	
Calcium chloride, suspended in water		•	
Calcium hydroxide, suspended in water		•	
Carbon tetrachloride	100	•	
Caustic soda solution	10	•	
Citric acid	All	•	
Diesel fuel	100	•	
Ethyl alcohol, aqueous solution	50		•
Ethylene glycol		•	
Formic acid	100		•
Formaldehyde, aqueous solution	30	•	
Freon		•	
Fuel Oil		•	
Gasoline (premium grade)	100	•	
Hydraulic fluid	Conc.	•	
Hydrochloric acid (muriatic acid)	Conc.		•
Hydrogen peroxide	30		•
Isopropyl alcohol	100		•
Kerosene (jet fuel)	100	•	
Lactic acid	All	•	
Linseed oil	100	•	
Lubricating oil	100	•	
Magnesium chloride, aqueous solution	All	•	
Methanol	100		•
Motor oil (SAE 20 W-50)	100	•	
Nitric acid	10		•
Oleic acid	100	•	
Perchloroethylene	100		•
Petroleum	100	•	
Phenol, aqueous solution	8		•
Phosphoric acid	85		•
Potash lye (potassium hydroxide)	10	•	
Potassium carbonate, aqueous solution	All	•	
Potassium chlorite, aqueous solution	All	•	
Potassium nitrate, aqueous solution	All	•	
Sodium bisulfite	15	•	
Sodium carbonate	All	•	
Sodium chloride, aqueous solution	All	•	
Sodium hypochlorite	25	•	
Sodium phosphate, aqueous solution	All	•	
Sodium silicate	All	•	
Standard benzene	100	•	
Sulfuric acid	10		•
Sulfuric acid	70		•
Tartaric acid	All	•	
Tetrachloroethylene	100	•	
Toluene			•
Trichloroethylene	100		•
Turpentine	100	•	

Results shown in the table are applicable to brief periods of chemical contact with fully cured adhesive (e.g. temporary contact with the adhesive during a spill).

**Pure50+™**

Chemical Agent	Concentration %	Resistant	Not Resistant
Acetic acid (vinegar)	40		•
Acetone	10		•
Ammonia, aqueous solution	5	•	
Aniline	100		•
Beer	100	•	
Benzene	100	•	
Benzole	100		•
Boric acid, aqueous solution		•	
Calcium carbonate, suspended in water	All	•	
Calcium chloride, suspended in water		•	
Calcium hydroxide, suspended in water		•	
Carbon tetrachloride	100	•	
Caustic soda	10	•	
Citric acid	All	•	
Chlorine	All	•	
Diesel fuel	100	•	
Ethyl alcohol, aqueous solution	50		•
Ethylene glycol		•	
Formaldehyde, aqueous solution	30	•	
Formic acid	100		•
Formic acid	10	•	
Freon		•	
Fuel oil		•	
Gasoline (premium grade)	100	•	
Hydrogen peroxide	30		•
Hydrochloric acid (muriatic acid)	Conc.		•
Isopropyl alcohol	100		•
Kerosene (jet fuel)	100	•	
Lactic acid	All		•
Laitance		•	
Linseed oil	100	•	
Lubricating oil	100	•	
Magnesium chloride, aqueous solution	All	•	
Methanol	100		•
Motor oil (SAE 20 W-50)	100	•	
Nitric acid	10		•
Oleic acid	100	•	
Perchloroethylene	100	•	
Phenol, aqueous solution	8		•
Phosphoric acid	85	•	
Potash lye (potassium hydroxide, 10% and 40% solutions)		•	
Potassium carbonate, aqueous solution	All	•	
Potassium chlorite, aqueous solution	All	•	
Potassium nitrate, aqueous solution	All	•	
Sodium bisulfite	15	•	
Sodium carbonate, aqueous solution	All	•	
Sodium chloride, aqueous solution	All	•	
Sodium hypochlorite	25	•	
Sodium phosphate, aqueous solution	All	•	
Sodium silicate	All	•	
Sulfuric acid	30		•
Tartaric acid	All	•	
Tetrachloroethylene	100	•	
Toluene			•
Trichloroethylene	100		•
Turpentine	100	•	

Results shown in the table are applicable to brief periods of chemical contact with fully cured adhesive (e.g. temporary contact with the adhesive during a spill).  
ESR-3576