

STAC Coating System: Chemical Resistance Performance

STAC COATING SYSTEM					
Category	Chemical Concentration % by Volume			After 3 Months	After 1 Year
Acids Inorganic	Nitric Acid (HNO ₃)	10%	○	X	■
		50%	X		X
	Sulfuric Acid (H ₂ SO ₄)	10%	●	■	X
		25%	X		X
Chloric Acid (HClO ₃)	10%	○	●	□	
	CONC	X		X	
Phosphoric Acid (H ₃ PO ₃)	50%	●	□	X	
	90%	X		□	
Acids Organic	Acetic Acid (CH ₃ COOH)	10%	○		□
	Formic Acid (HCOOH)	10%	●		X
	Lactic Acid (C ₃ H ₆ O ₃)	10%	●		X
	Boric Acid (H ₃ BO ₃)	10%	□		□
	Tartaric Acid (C ₄ H ₆ O ₆)	10%	○		○
	Oxalic Acid (COOH) ₂	10%	○		○
	Citric Acid (C ₆ H ₈ O ₇)	10%	○		○
Alkalis	Ammonium (NH ₄)	28%	○		○
	Caustic Soda (NaOH) (Sodium Hydroxide)	5%	○		○
		20%	○		○
	Caustic Potash (KOH) (Potassium Hydroxide)	5%	○		○
20%		○		○	
Carbonic Soda	20%	○		○	
Salt, etc.	Sodium Chloride (NaCl)	20%	○		○
	Ammonium Sulfate (NH ₄) ₂ SO ₄	20%	○		○
	Hydrogen Peroxide (H ₂ O ₂)	20%	○		○

○ - No Damage □ - Slight Damage ■ - Damage ● - Great Damage X - Complete Destruction