

Chemical Resistance Testing on PaperStone®

(24 hour test)

Chemical	No effect	Excellent	Good	Fair	Failure
Acids					
Hydrochloric Acid 10%		X			
Hydrochloric Acid 37%		X			
Sulphuric Acid 98%		X			
Sulphuric Acid 33%		X			
Nitric Acid 65%		X			
Nitric Acid 30%		X			
Phosphoric Acid 85%	X				
Acetic Acid 99%	X				
Hydrofluoric Acid 48%		X			
Chromic Acid 60%	X				
Bases					
Ammonium Hydroxide 28%	X				
Sodium Hydroxide 46%		X			
Salt					
Silver Nitrate 1%		X			
Potassium Permanganate 10%			X		
Ferric (III) Chloride 10%	X				
Copper Sulphate 10%	X				
Sodium Hypochlorite 13%		X			
Sodium Chloride 10%	X				
Organic Chemicals					
Formaldehyde 37%	X				
Furfural	X				
Formic Acid 90%	X				
Acetic Acid 99%	X				
Phenol 88%	X				
Solvents					
Acetone	X				
Ethylalcohol	X				
Ethylene Glycol	X				
Ethelene Glycol Mono Butyl Ether	X				
Isopropyl Alcohol	X				
Methylethylketone	X				
Dichloromethan	X				
Ethylacetate	X				
Acetic Anhydride	X				
n-Butyl Acetate		X			
n-Hexane	X				
Methylalcohol	X				
Methylisobutylkeytone	X				
Tetrahydrofurane	X				
Toluene		X			
Trichloroethylene		X			
Xylene	X				
Biological Stains					
Acridine Orange 1%	X				
Basic Fuchsin 1%			X		
Carbol Fuchsin 1%			X		
Malicite Green Oxalate 1%	X				
Methylene Blue 1%		X			
Methyl Violet 2B 1%			X		
Wright Stain 1%	X				
Gentian Violet (dye) 1%	X				

