

Technical Bulletins

Resin Flooring Chemical Resistance



Test Media	Concentration	Sureshield	Nuthane Polyurethane	Surecote 500 AR	Surechem VE	Supascreed	Traxite VE Resin
ACIDS							
Hydrochloric	10%	M	M	M	U	M	U
Sulphuric Acid	10%	M	M	M	U	M	U
Sulphuric Acid	25%	U	M	M	U	M	U
Acetic Acid	10%	M	U	M	U	U	U
Acetic Acid	50%	M	M	D	U	D	U
Nitric	10%	M	M	M	M	M	
Citric	10%	M	U	M	U	U	U
Lactic	90%	M	M	A	M	A	U
Phosphoric	30%	M	M	A	U	U	U
ALKALIS							
Potassium Hydroxide	30%	A	M	M	M	U	A
Caustic Soda	50%	A	U	M	M	U	A
SOLVENTS							
Ethanol		M	U	M	A	M	M
Toluene		A	U	M	A	M	D
Acetone		D	M	A	D	A	D
Isopropanol		U	U	U	M	U	U
PETROCHEMICALS							
Kerosene		U	U	U	U	M	U
DISINFECTANTS CLEANERS							
Detergent (DET 18)	100%	U	U	M	U	U	U
Bleach (2.5% Sod Hyd Cl)		M	M	M	M	M	U
MEKP -M50		A	M	M	M	M	M
SALT SOLUTION							
Brine	20%	U	U	M	U	M	M
OTHERS							
Sugar Syrup	30%	U	U	M	U	U	U
Distilled Water		U	U	M	U	U	U

Legend

U = unaffected (i.e. after a 3 week exposure the samples have not changed)	A = Attacked (Short or long term exposure, the mechanical properties will deteriorate)
M = Marked (Short term exposure, the test media will leave a mark on the sample)	D = Destroyed (Short or long term exposure, damage will occur)

Test procedure involves total immersion of the polymerised sample in a test medium at 25 Degrees C. The samples were observed for chemical attack and hardness throughout the testing period. The results were taken after a 3 weeks exposure.

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For all data, please refer to our website. www.allnexconstruction.co.nz

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