



Touch Antimicrobial Coatings Test data

Cured Film Test results Property ASTM method specification

Test	Type	Method	Units	Result	Rating
Impact Resistance	Flexibility	D2794	1/2"	Mandrel bend test	
			Passed	Direct & Reverse	Passed
	Impact	80 lb	No peeling, No lifting	Passed	
Film Pencil test	D3363-05	Gouge Cut	7H	7H	7H
			8H	8H	8H
Salt Fog Test	B117	1000 hrs Aluminium <1% white rust Stainless Steel, No effect			Rated 10
					Rated 10
					Rated 10
Humidity Resistance	D1794	1000 hrs @ 38°C			Rated 10
Weather Exposure	D552	100 hrs cyclic at 120 min light 18 min diminished	No checking	Passed	
			No crazing	Passed	
			No adhesion loss	Passed	
Chemical Resistance	D1308	Procedure 5.2 24 hour immersion 24 hour recovery period	15 minute spot test with 10% muriatic	Passed	
			Discolouration	No effect	
			Blistering	No effect	
			Acid with 10% sodium Hydroxide	Passed	
			2% soap solution	Passed	
			3 types	Passed	
			Adhesion	No effect	
			Gloss	No effect	
Temperature Resistance		Heat to Gas Off	660° F / 349° C		



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Physical Properties of RESIN

Physical Properties RESIN

Pot Life	Indefinite in closed container
Coverage	32 m2 per litre
Film thickness 1 coat	3-5 micron
Temperature range	minus 71C to 18C
Surface Temperature	10°C to 38°C
Ambient Temperature	4°C to 41°C
Relative Humidity	Not to exceed 85% relative humidity

Do not apply if temperature is less than 5% above dew rate

Properties Method Units Specification

Properties	Method	Units	Result
Appearance	D4176		Clear and Free From Impurities
Colour	D156	Saybolt	Clear
Colour	D1209	PT-Co	Clear
Density @ 20OC	D1298	lb./gal	7.7
Boiling Point	D86	/	182°C
Dielectric	D877	kV	38.1
Vapour Pressure	1	mm Hg	5mm Hg @ 40° C
Viscosity	D2161	cSt	N/A
Aniline Point	D611	/	< -3°C
Flash Point	D56	Tag closed cup	64°C
Kauri Butanol	D1133	/	60



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