

Corrosion Protection Product Testing and Characteristics

	501	503	505	506	508	554	555	530
Compressive strength <i>Tested to ASTM D 695</i>	648kg/ cm ² (9200psi)	629kg/ cm ² (8945psi)	629kg/ cm ² (8945psi)	N/A	N/A	N/A	N/A	N/A
Corrosion Resistance <i>Tested to ASTM B117</i>	5000 hours	5000 hours	5000 hours	5000 hours	5000 hours	5000 hours	5000 hours	1000 hours
UV Resistance <i>Tested to ASTM G53</i>	N/A	N/A	N/A	N/A	1000 hours	1000 hours	1000 hours	N/A
Elongation <i>Tested to ASTM D412</i>	N/A	N/A	N/A	N/A	N/A	200%	230%	N/A
Corrosion Weathering <i>Tested to ASTM D4798</i>	N/A	N/A	N/A	N/A	1500 hours	1500 hours	1500 hours	N/A
Flexural Strength <i>Tested to ASTM D790</i>	522kg/cm ² (7400psi)	371kg/cm ² (5275psi)	371kg/cm ² (5275psi)	N/A	N/A	N/A	N/A	N/A
Hardness <i>Rockwell R to ASTM D785</i>	80	84	84	75	80	N/A	N/A	90
Sag Resistance	400 microns	150 microns	150 microns	150 microns	150 microns	1mm	750 microns	500 microns
Tensile Shear Adhesion <i>Tested to ASTM D1002</i>	194kg/cm ² (2750psi)	201kg/cm ² (2860si)	201kg/cm ² (2860si)	195kg/cm ² (2770psi)	180kg/cm ² (2550 psi)	N/A	N/A	197kg/cm ² (2800psi)
Solids %	100	100	100	80	55	50	55	100
Base density <i>gm per cm³</i>	1.78	1.12	1.15	1.15	1.514	N/A	N/A	N/A
Activator density <i>gm per cm³</i>	1.04	1.00	1.02	1.02	1.035	N/A	N/A	N/A
Mixed product density <i>gm per cm³</i>	1.56	1.08	1.08	1.12	1.418	1.5	1.5	1.4
Dry heat resistance (°C)	200	150	150	130	130	90	90	240
Intermittent wet heat resistance (°C)	120	100	120	90	70	50	50	150
Immersion temperature resistance (°C)	60	60	60	40	50	N/A	N/A	60
Mixing ratio by volume	2.4:1	2:1	3:2	4:1	4:1	N/A	N/A	N/A
Mixing ratio by weight	4:1	2.24:1	1.65:1	4.5:1	4.5:1	N/A	N/A	N/A

Corrosion Protection Product Cure times

	10°C			20°C			30°C			40°C		
	Pot life	Minimum Overcoat	Maximum Overcoat	Pot life	Minimum Overcoat	Maximum Overcoat	Pot life	Minimum Overcoat	Maximum Overcoat	Pot life	Minimum Overcoat	Maximum Overcoat
501	50mins	8hrs	72hrs	25mins	4hrs	36hrs	12.5mins	2hrs	18hrs	6mins	1hr	9hrs
503	50mins	8hrs	48hrs	25mins	4hrs	24hrs	12.5mins	2hrs	12hrs	6mins	1hr	6hrs
505	90mins	16hrs	48hrs	45mins	8hrs	24hrs	22.5mins	4hrs	12hrs	11mins	4hrs	12hrs
506	4hrs	16hrs	48hrs	2hrs	8hrs	24hrs	1hr	4hrs	12hrs	30mins	4hrs	12hrs
508	1hr	3hrs	72hrs	30mins	90mins	36hrs	15mins	45mins	18hrs	7.5mins	45mins	18hrs
554	60mins	2hrs	5days	30mins	60mins	5days	15mins	30mins	5days	7.5mins	15mins	5days
555	DO	NOT	USE	30mins	1hr	5days	15mins	30mins	5days	7.5mins	30mins	5days

Corrosion Protection Product Coverage Rates

Product	Pack Size	75 mics	100 mics	125 mics	150 mics	200 mics	250 mics	300 mics	400 mics	500 mics
501	3.4ltr					17m ²	13.6m ²	11.3m ²	8.5m ²	6.8m ²
	16ltr					80m ²	64m ²	52.8m ²	40m ²	32m ²
503	1ltr		10m ²	8m ²	6.6m ²	5m ²	4m ²			
	4ltr		40m ²	32m ²	26.4m ²	25m ²	20m ²			
	18ltr		180m ²	144m ²	118.8m ²	90m ²	72m ²			
505	4.5ltr				29.9m ²	22.5m ²	18m ²			
506	5ltr	66.6m ²	50m ²	40m ²	33.3m ²					
	20ltr	266.4m ²	200m ²	160m ²	133m ²					
508	5ltr	66.6m ²	50m ²	40m ²	33.3m ²					
530	4ltr	53.3m ²	40m ²	32m ²	26.6m ²	20m ²	16m ²	13.2m ²	10m ²	8m ²
554	5ltr							16.65m ²	12.5m ²	10m ²
	20ltr							66.6m ²	50m ²	40m ²
555	20ltr							66.6m ²	50m ²	40m ²

Please note that all coverage rates quoted are theoretical and do not take into account the condition of the surface being coated