

# Corrosion Protection Product Testing and Characteristics

	501	503	505	506	508	554	555	530
<b>Compressive strength</b> <i>Tested to ASTM D 695</i>	648kg/ cm <sup>2</sup> (9200psi)	629kg/ cm <sup>2</sup> (8945psi)	629kg/ cm <sup>2</sup> (8945psi)	N/A	N/A	N/A	N/A	N/A
<b>Corrosion Resistance</b> <i>Tested to ASTM B117</i>	5000 hours	5000 hours	5000 hours	5000 hours	5000 hours	5000 hours	5000 hours	1000 hours
<b>UV Resistance</b> <i>Tested to ASTM G53</i>	N/A	N/A	N/A	N/A	1000 hours	1000 hours	1000 hours	N/A
<b>Elongation</b> <i>Tested to ASTM D412</i>	N/A	N/A	N/A	N/A	N/A	200%	230%	N/A
<b>Corrosion Weathering</b> <i>Tested to ASTM D4798</i>	N/A	N/A	N/A	N/A	1500 hours	1500 hours	1500 hours	N/A
<b>Flexural Strength</b> <i>Tested to ASTM D790</i>	522kg/cm <sup>2</sup> (7400psi)	371kg/cm <sup>2</sup> (5275psi)	371kg/cm <sup>2</sup> (5275psi)	N/A	N/A	N/A	N/A	N/A
<b>Hardness</b> <i>Rockwell R to ASTM D785</i>	80	84	84	75	80	N/A	N/A	90
<b>Sag Resistance</b>	400 microns	150 microns	150 microns	150 microns	150 microns	1mm	750 microns	500 microns
<b>Tensile Shear Adhesion</b> <i>Tested to ASTM D1002</i>	194kg/cm <sup>2</sup> (2750psi)	201kg/cm <sup>2</sup> (2860si)	201kg/cm <sup>2</sup> (2860si)	195kg/cm <sup>2</sup> (2770psi)	180kg/cm <sup>2</sup> (2550 psi)	N/A	N/A	197kg/cm <sup>2</sup> (2800psi)
<b>Solids %</b>	100	100	100	80	55	50	55	100
<b>Base density</b> <i>gm per cm<sup>3</sup></i>	1.78	1.12	1.15	1.15	1.514	N/A	N/A	N/A
<b>Activator density</b> <i>gm per cm<sup>3</sup></i>	1.04	1.00	1.02	1.02	1.035	N/A	N/A	N/A
<b>Mixed product density</b> <i>gm per cm<sup>3</sup></i>	1.56	1.08	1.08	1.12	1.418	1.5	1.5	1.4
<b>Dry heat resistance</b> (°C)	200	150	150	130	130	90	90	240
<b>Intermittent wet heat resistance</b> (°C)	120	100	120	90	70	50	50	150
<b>Immersion temperature resistance</b> (°C)	60	60	60	40	50	N/A	N/A	60
<b>Mixing ratio by volume</b>	2.4:1	2:1	3:2	4:1	4:1	N/A	N/A	N/A
<b>Mixing ratio by weight</b>	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
<b>501</b>	60mins	8hrs	72hrs	30mins	4hrs	36hrs	15mins	2hrs	18hrs	7.5mins	1hr	9hrs
<b>503</b>	50mins	8hrs	48hrs	25mins	4hrs	24hrs	12.5mins	2hrs	12hrs	6mins	1hr	6hrs
<b>505</b>	90mins	16hrs	48hrs	45mins	8hrs	24hrs	22.5mins	4hrs	12hrs	11mins	4hrs	12hrs
<b>506</b>	4hrs	16hrs	48hrs	2hrs	8hrs	24hrs	1hr	4hrs	12hrs	30mins	4hrs	12hrs
<b>508</b>	1hr	3hrs	72hrs	30mins	90mins	36hrs	15mins	45mins	18hrs	7.5mins	45mins	18hrs
<b>554</b>	60mins	2hrs	5days	30mins	60mins	5days	15mins	30mins	5days	7.5mins	15mins	5days
<b>555</b>	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
<b>501</b>	3.4ltr					17m <sup>2</sup>	13.6m <sup>2</sup>	11.3m <sup>2</sup>		
	16ltr					80m <sup>2</sup>	64m <sup>2</sup>	52.8m <sup>2</sup>		
<b>503</b>	1ltr		10m <sup>2</sup>	8m <sup>2</sup>	6.6m <sup>2</sup>	5m <sup>2</sup>	4m <sup>2</sup>			
	4ltr		40m <sup>2</sup>	32m <sup>2</sup>	26.4m <sup>2</sup>	25m <sup>2</sup>	20m <sup>2</sup>			
	18ltr		180m <sup>2</sup>	144m <sup>2</sup>	118.8m <sup>2</sup>	90m <sup>2</sup>	72m <sup>2</sup>			
<b>505</b>	4.5ltr				29.9m <sup>2</sup>	22.5m <sup>2</sup>	18m <sup>2</sup>			
<b>506</b>	5ltr	66.6m <sup>2</sup>	50m <sup>2</sup>	40m <sup>2</sup>	33.3m <sup>2</sup>					
	20ltr	266.4m <sup>2</sup>	200m <sup>2</sup>	160m <sup>2</sup>	133m <sup>2</sup>					
<b>508</b>	5ltr	66.6m <sup>2</sup>	50m <sup>2</sup>	40m <sup>2</sup>	33.3m <sup>2</sup>					
<b>530</b>	4ltr	53.3m <sup>2</sup>	40m <sup>2</sup>	32m <sup>2</sup>	26.6m <sup>2</sup>	20m <sup>2</sup>	16m <sup>2</sup>	13.2m <sup>2</sup>	10m <sup>2</sup>	
<b>554</b>	5ltr							16.65m <sup>2</sup>	12.5m <sup>2</sup>	10m <sup>2</sup>
	20ltr							66.6m <sup>2</sup>	50m <sup>2</sup>	40m <sup>2</sup>
<b>555</b>	20ltr							66.6m <sup>2</sup>	50m <sup>2</sup>	40m <sup>2</sup>

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