

Resimac Corrosion Protection Product Range
BS EN ISO 12944 Classification of Resimac Products

Corrosive Category	Examples of typical environments in rural, industrial & marine climates	
	Exterior	Interior
C1 VERY LOW	Not applicable	Heated buildings with a clean atmosphere, for example, shops, schools, hotels
C2 LOW	Atmospheres with low level of pollution. Mostly rural areas	Unheated buildings where condensation may occur, for example, depots, warehouses, sports halls
C3 MEDIUM	Urban and Industrial atmospheres, moderate sulphur dioxide pollution, areas with low salinity.	Production rooms with high humidity and some air pollution, for example, breweries, food production
C4 HIGH	Industrial areas and Coastal area with moderate salinity	Rooms and areas with high humidity, low risk of chemical vapour and splash, for example, swimming pools, chemical production
C5-I VERY HIGH (INDUSTRIAL)	Industrial areas with high humidity and aggressive atmosphere	Buildings and areas with almost permanent condensation and with high pollution
C5-M VERY HIGH (MARINE)	Coastal and offshore areas with high salinity	Buildings and areas with almost permanent condensation and with high pollution

C2 Low Corrosive Environment
Low levels of pollution, rural areas

Surface Prep	Standard	Primer	No of Coats	DFT per coat (microns)	Top Coat	No of Coats	DFT per coat (microns)	Total DFT system	Expected Design Life to first maintenance
Manual	ST2	555 Resinox	1	350	555 Resinox	1	350	700	UP TO 5 YEARS
Manual	ST2	506 Aluprime	1	100	555 Resinox	2	350	850	UP TO 8-10 YEARS
Mechanical	ST3	555 Resinox	1	350	555 Resinox	1	350	700	5-7 YEARS
Mechanical	ST3	506 Aluprime	1	100	554 RB Membrane	2	250	600	UP TO 10 YEARS
Mechanical	ST3	506 Aluprime	1	100	555 Resinox	2	350	850	UP TO 10 YEARS
Abrasive Blast	SA 2.5	555 Resinox	1	350	555 Resinox	1	350	700	10-12 YEARS
Abrasive Blast	SA 2.5	506 Aluprime	1	100	554 RB Membrane	2	250	600	10 -12 YEARS
Abrasive Blast	SA 2.5	506 Aluprime	1	100	555 Resinox	2	350	850	UP TO 15 YEARS
Abrasive Blast	SA 2.5	501 CRSG	1	350	508 UVPU	2	100	550	15 YEARS +

C3 Medium Corrosive Environment
Urban & Industrial atmospheres, moderate sulphur dioxide

Surface Prep	Standard	Primer	No of Coats	DFT per coat (microns)	Top Coat	No of Coats	DFT per coat (microns)	Total DFT system	Expected Design Life to first maintenance
Mechanical	ST2-ST3	506 Aluprime	1	100	508 UVPU	2	100	300	UP TO 8 YEARS
Mechanical	ST2-ST3	501 CRSG	1	350	508 UVPU	2	100	550	UP TO 10 YEARS
Hydroblast	ST3	555 Resinox	1	350	555 Resinox	1	350	700	10-12 YEARS
Mechanical	ST2-ST3	501 CRSG	2	350	508 UVPU	2	100	900	UP TO 15 YEARS
Abrasive Blast	SA2.5	506 Aluprime	1	100	508 UVPU	2	100	400	UP TO 10 YEARS
Abrasive Blast	SA 2.5	501 CRSG	1	350	508 UVPU	2	100	550	10-12 YEARS
Abrasive Blast	SA 2.5	501 CRSG	2	350	508 UVPU	2	100	550	15 YEARS +

C4 High Corrosive Environment

Industrial & Coastal areas with moderate salinity

Surface Prep	Standard	Primer	No of Coats	DFT per coat (microns)	Top Coat	No of Coats	DFT per coat (microns)	Total DFT system	Expected Design Life to first maintenance
Mechanical	ST2-ST3	506 Aluprime	1	100	508 UVPU	2	100	300	UP TO 5-8 YEARS
Mechanical	ST2-ST3	501 CRSG	1	350	508 UVPU	2	100	550	UP TO 8-10 YEARS
Hydroblast	ST3	555 Resinox	1	350	555 Resinox	1	350	700	10 YEARS
Mechanical	ST2-ST3	501 CRSG	2	350	508 UVPU	2	100	900	UP TO 10-12 YEARS
Abrasive Blast	SA2.5	506 Aluprime	1	100	508 UVPU	2	100	400	8-10 YEARS
Abrasive Blast	SA 2.5	501 CRSG	1	350	508 UVPU	2	100	550	UP TO 10 YEARS
Abrasive Blast	SA 2.5	501 CRSG	2	350	508 UVPU	2	100	550	15 YEARS

C5 Very High Corrosive Environment

Industrial & Coastal areas with high humidity and aggressive atmospheres

Surface Prep	Standard	Primer	No of Coats	DFT per coat (microns)	Top Coat	No of Coats	DFT per coat (microns)	Total DFT system	Expected Design Life to first maintenance
Mechanical	ST2-ST3	506 Aluprime	1	100	508 UVPU	2	100	300	UP TO 5 YEARS
Mechanical	ST2-ST3	501 CRSG	1	350	508 UVPU	2	100	550	UP TO 8 YEARS
Mechanical	ST2-ST3	501 CRSG	2	350	508 UVPU	2	100	900	UP TO 10 YEARS
Abrasive Blast	SA2.5	506 Aluprime	1	100	508 UVPU	2	100	400	5-8 YEARS
Abrasive Blast	SA 2.5	501 CRSG	1	350	508 UVPU	2	100	550	8-10 YEARS
Abrasive Blast	SA 2.5	501 CRSG	2	350	508 UVPU	2	100	550	12- 15 YEARS

Application of 530 H100 to hot surfaces ranging from 100°C to 240°C

Surface Prep	Surface temperature	Product	No of Coats	DFT per coat (microns)	Total DFT system	Expected Design Life to first maintenance
Manual	100°C - 150°C	530HA100	5	75	375	UP TO 3 YEARS
Manual	150°C - 200°C	530HA100	5	75	375	UP TO 2 YEARS
Manual	200°C - 240°C	530HA100	5	75	375	UP TO 1 YEAR
Mechanical	100°C - 150°C	530HA100	5	75	375	UP TO 3-5 YEARS
Mechanical	150°C - 200°C	530HA100	5	75	375	UP TO 3 YEARS
Mechanical	200°C - 240°C	530HA100	5	75	375	UP TO 2 YEARS
Hydroblast	100°C - 150°C	530HA100	5	75	375	UP TO 5 YEARS
Hydroblast	150°C - 200°C	530HA100	5	75	375	3-5 YEARS
Hydroblast	200°C - 240°C	530HA100	5	75	375	3 YEARS

The information outlined in the tables above and on the opposite page are for use as a general guide only. Please speak to your local Resimac representative or contact Resimac direct on info@resimac.co.uk or telephone the technical department on +44 (0) 1423 325073 for more detailed information on our corrosion protection coatings.