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
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	250	555 Resinox	1	250	500	15 YEARS
Mechanical	ST3	555 Resinox	1	250	555 Resinox	1	250	500	20 YEARS
Mechanical	ST3	506 Aluprime	1	100	554 RB Membrane	2	150	400	20-25 YEARS
Mechanical	ST3	506 Aluprime	1	100	555 Resinox	2	250	600	25 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	2	100	508 UVPU	2	50	300	20 YEARS
Mechanical	ST2-ST3	501 CRSG	1	350	508 UVPU	2	50	450	20-25 YEARS
Hydroblast	3000psi+	555 Resinox	1	300	555 Resinox	1	300	600	20 YEARS
Abrasive Blast	SA2.5	506 Aluprime	2	100	508 UVPU	2	50	300	25 YEARS
Abrasive Blast	SA 2.5	501 CRSG	1	350	508 UVPU	2	50	450	UP TO 30 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	2	100	508 UVPU	2	50	300	17-20 YEARS
Mechanical	ST2-ST3	501 CRSG	1	350	508 UVPU	2	50	450	20 YEARS
Hydroblast	ST3	555 Resinox	1	300	555 Resinox	1	300	600	15-17 YEARS
Abrasive Blast	SA2.5	506 Aluprime	2	100	508 UVPU	2	50	300	20-25 YEARS
Abrasive Blast	SA 2.5	501 CRSG	1	350	508 UVPU	2	50	450	25-30 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	2	100	508 UVPU	2	50	300	15 YEARS
Mechanical	ST2-ST3	501 CRSG	1	350	508 UVPU	2	50	450	15-17 YEARS
Hydroblast	ST3	555 Resinox	1	300	555 Resinox	1	300	600	10-15 YEARS
Abrasive Blast	SA2.5	506 Aluprime	2	100	508 UVPU	2	100	300	15-20 YEARS
Abrasive Blast	SA 2.5	501 CRSG	1	350	508 UVPU	2	50	450	20 YEARS
Abrasive Blast	SA 2.5	501 CRSG	1	350	508 UVPU	3	50	600	25 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 - 130˚C	530HA100	4	100	400	5 YEARS
Manual	130˚C - 160˚C	530HA100	4	100	400	4 YEARS
Manual	160˚C - 200˚C	530HA100	4	100	400	3 YEARS
Manual	200˚C - 240˚C	530HA100	4	100	400	2 YEARS
Mechanical	100˚C - 130˚C	530HA100	3	100	300	8 YEARS
Mechanical	130˚C - 160˚C	530HA100	3	100	300	7 YEARS
Mechanical	160˚C - 200˚C	530HA100	3	100	300	6 YEARS
Mechanical	200˚C - 240˚C	530HA100	3	100	300	5 YEARS
Hydroblast	100˚C - 130˚C	530HA100	3	100	300	10 YEARS
Hydroblast	130˚C - 160˚C	530HA100	3	100	300	9 YEARS
Hydroblast	160˚C - 200˚C	530 HA100	3	100	300	8 YEARS
Hydroblast	200˚C - 240˚C	530HA100	3	100	300	7 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) 1845 577498 for more detailed information on our corrosion protection coatings.

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