

CORROSIVITY CATEGORY	EXAMPLES OF TYPICAL ENVIRONMENTS IN RURAL, INDUSTRIAL AND MARINE CLIMATES	
	EXTERIOR	INTERIOR
C1 VERY LOW	-	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 vapor 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

USA ISO 8501 – 2 also grades the performance/ life expectancy of systems into three categories, low, medium and high. The following tables classify the range of Polymeric Engineered Solutions Corrosion and Chemical systems in accordance with these definitions.

Polymeric Engineered Solutions Corrosion and Chemical Systems Steel Structures Painting Council

SURFACE PREP	PRIMING COAT			TOP COAT			COATING SYSTEM		EXPECTED DURABILITY		
	PRODUCT	No of Coats	DFT Mils	PRODUCT	No of Coats	DFT Mils	No of coats	DFT Mils	LOW (2-5 years)	Medium (5-15 years)	High (15 years +)
Polymeric Engineered Solution Systems in accordance with ISO 8501-2: C2											
SP2	506 Aluprime	1	4	508 UVPU	2	6	3	10	Up to 5 YEARS		
SP2	506 Aluprime	2	8	508 UVPU	2	6	4	14		Up to 7 YEARS	
SP2	554 RB Membrane	1	30	554 RB Membrane	1	20	2	50		Up to 10 YEARS	
SP2	555 Pesinox	1	14	555 Pesinox	1	14	2	28		Up to 10 YEARS	
SP-10	506 Aluprime	2	8	508 UVPU	2	6	4	14		Up to 15 YEARS	
SP-10	501 CRSG	2	16	508 UVPU	2	6	4	22			Up to 17 YEARS
SP-10	554 RB Membrane	1	30	554 RB Membrane	1	20	2	50			Up to 17 YEARS
SP-10	555 Pesinox	1	20	555 Pesinox	1	20	1	40			Up to 15 YEARS
Polymeric Engineered Solutions Systems in accordance with ISO 8501-2: C3											
SP2	506 Aluprime	2	8	508 UVPU	2	6	4	14	Up to 5 YEARS		
SP2	554 RB Membrane	1	30	554 RB Membrane	1	20	2	50		Up to 10 YEARS	
SP2	555 Pesinox	1	14	555 Pesinox	1	14	2	28		Up to 10 YEARS	
SP-10	506 Aluprime	2	8	508 UVPU	2	6	4	14		Up to 7 YEARS	
SP-10	501 CRSG	1	10	508 UVPU	2	6	3	16		Up to 12 YEARS	
SP-10	554 RB Membrane	1	30	554 RB Membrane	1	20	2	50			Up to 15 YEARS
SP-10	555 Pesinox	1	20	555 Pesinox	1	20	2	40			Up to 15 YEARS
SP-10	501 CRSG	2	10	508 UVPU	2	6	4	26			Up to 17 YEARS

Polymeric Engineered Solutions Corrosion and Chemical Systems Steel Structures Painting Council

<i>Polymeric Engineered Solutions Systems in accordance with ISO 8501-2: C4</i>											
SP2	506 Aluprime	1	4	508 UVPU	2	6	3	10	Up to 3 YEARS		
SP2	506 Aluprime	2	8	508 UVPU	2	6	4	14	Up to 4 YEARS		
SP2	554 RB Membrane	1	30	554 RB Membrane	1	20	2	50		Up to 10 YEARS	
SP2	555 Pesinox	1	14	555 Pesinox	1	14	2	28		Up to 10 YEARS	
SP-10	506 Aluprime	2	8	508 UVPU	2	6	4	14	Up to 6 YEARS		
SP-10	501 CRSG	1	16 (Spray)	-	-	-	1	16	Up to 7 YEARS		
SP-10	555 Pesinox	2	18	-	-	-	2	18		Up to 10 YEARS	
SP-10	501 CRSG	2	28	-	-	-	2	28		Up to 10 YEARS	
SP-10	554 RB Membrane	1	50	554 RB Membrane	1	20	2	50		Up to 12 YEARS	
SP-10	555 Pesinox	1	20	555 Pesinox	1	20	2	40		Up to 12 YEARS	
SP-10	501 CRSG	2	24	508 UVPU	2	6	4	30		Up to 15 YEARS	

Polymeric Engineered Solutions Corrosion and Chemical Systems Steel Structures Painting Council

SURFACE PREP	PRIMING COAT			TOP COAT			COATING SYSTEM		EXPECTED DURABILITY		
	PRODUCT	No of Coats	DFT	PRODUCT	No of Coats	DFT	No of coats	DFT	LOW (2-5 years)	Medium (5-15 years)	High (15 years +)
Polymeric Engineered Solutions Systems in accordance with ISO 8501-2: C5 INDUSTRIAL											
SP2	506 Aluprime	2	8	508 UVPU	2	6	4	14	Up to 3 YEARS		
SP-10	506 Aluprime	2	8	508 UVPU	2	6	4	14	Up to 5 YEARS		
SP-10	501 CRSG	1	20 (Spray)	-	-	-	1	20		Up to 7 YEARS	
SP-10	501 CRSG	2	28	-	-	-	2	28		Up to 10 YEARS	
SP-10	501 CRSG	2	28	508 UVPU	2	6	4	30		Up to 15 YEARS	
Polymeric Engineered Solutions Systems in accordance with ISO 8501-2: C5 MARINE											
SP2	506 Aluprime	2	8	508 UVPU	2	6			Up to 3 YEARS		
SP-10	506 Aluprime	2	8	508 UVPU	2	6	4	14	Up to 5 YEARS		
SP-10	501 CRSG	1	20 (Spray)	-	-	-	1	20		Up to 7 YEARS	
SP-10	501 CRSG	2	28	-	-	-	2	28		Up to 10 YEARS	
SP-10	501 CRSG	2	28	508 UVPU	2	6	4	35		Up to 15 YEARS	