

CORROSION CLASS

CORROSION CLASS	DURABILITY		ISO 6270-1 (humidity) in h	ISO -9227 (neutral salt spray) in h	APPENDIX B (cyclic testing)
	Low		48	-	-
	Medium		48	-	-
	High		120	-	-
	Very High		240	480	-
	Low		48	120	-
	Medium		120	240	-
	High		240	480	-
	Very High		480	720	-
	Low		120	240	-
	Medium		240	480	-
	High		480	720	-
	Very High		720	1440	1680
	Low		240	480	-
	Medium		480	720	-
	High		720	1440	1680
	Very High		-	-	2688

NOTE: test are applied exclusively to carbon steel, hot dip galvanised or thermally coated steel. The standard DOES NOT applied to already painted steel

Equivalent durability



ISO12944:2018 CERTIFIED PAINT SYSTEM

	Substrate	Surface preparation	Zinc epoxy primer	Primer	Topcoat	DFT (µm)
High	Steel	Sa 2 ^{1/2}	-	29102	29145	220-260
High	Zinc Coated Steel	-	-	29102	29145	220-260
High	Steel	Sa 2 ^{1/2}	-	-	29443 - 29446*	150-200

	Substrate	Surface preparation	Zinc epoxy primer	Primer	Topcoat	DFT (µm)
Low	Steel	Sa 2 ^{1/2}	-	-	29443 - 29446*	150-200
Low	Steel	Sa 2 ^{1/2}	-	29101	29145	120-150
Medium	Steel	Sa 2 ^{1/2}	-	29107	29141 - 29142 - 29152 - 29162 - 29155 - 29164 - 44500 - 44501	220-260
Low	Steel	Sa 2 ^{1/2}	-	29109	29155 - 29164	220-260
High	Steel	Sa 2 ^{1/2}	-	29175	29141 - 29142 - 29152 - 29162 - 29164 - 44500 - 44501	220-260
High	Zinc Coated Steel	-	-	29107	29141 - 29142 - 29152 - 29162 - 29144 - 29155 - 29164 - 44500 - 44501	220-260
High	Zinc Coated Steel	-	-	29109	29144 - 29155 - 29164	220-260
High	Zinc Coated Steel	-	-	29175	29141 - 29142 - 29152 - 29162	220-260
High	Steel	Sa 2 ^{1/2}	-	-	29441*	150-200

*The ISO12944 classification for the following painting cycles is only indicative of the anticorrosive performances.

This is because the legislation does not include certification for coatings with direct adhesion on metal, but only painting cycles that require previous primer application

C4	Substrate	Surface preparation	Zinc epoxy primer	Primer	Topcoat	DFT (μm)
Low	Steel	Sa 2 ^{1/2}	-	-	29441*	150-200
Low	Steel	Sa 2 ^{1/2}	-	29107	29141 - 29142 - 29152 - 29162 - 29144 - 44500 - 44501	220-260
Low	Zinc Coated Steel	-	-	29107	29141 - 29142 - 29152 - 29162	220-260
Low	Steel	Sa 2 ^{1/2}	-	29109	29144	220-260
Medium	Steel	Sa 2 ^{1/2}	-	29175	29141 - 29142 - 29152 - 29162 - 29155 - 29164 - 44500 - 44501	220-260
Medium	Zinc Coated Steel	-	-	29175	29141 - 29142 - 29152 - 29162	220-260
Low	Zinc Coated Steel	-	-	29107	29155 - 29164 - 44500 - 44501	220-260
Medium	Zinc Coated Steel	-	-	29109	29155 - 29164	220-260
High	Steel	Sa 2 ^{1/2}	-	Y175100 H20	YD155 H20	280-350
High	Zinc Coated Steel	-	-	04000 - 04003	44500 - 44501	220-260
High	Zinc Coated Steel	-	-	29107	44500 - 44501	220-260
High	Zinc Coated Steel	-	-	29175	29155 - 29164 - 44500 - 44501	220-260
Very High	Steel	Sa 2 ^{1/2}	-	04000 - 04003	44500 - 44501	220-260

C5	Substrate	Surface preparation	Zinc epoxy primer	Primer	Topcoat	DFT (μm)
Low	Steel	Sa 2 ^{1/2}	-	29175	29141 - 29142 - 29152 - 29162 - 29144 - 44500 - 44501	220-260
Low	Zinc Coated Steel	-	-	29175	29141 - 29142 - 29152 - 29162	220-260
Low	Zinc Coated Steel	-	-	29107	29144 - 44500 - 44501	220-260
Low	Zinc Coated Steel	-	-	29109	29144	220-260
Medium	Steel	Sa 2 ^{1/2}	-	04384	29144 - 29155 - 29164	220-260
Medium	Zinc Coated Steel	-	-	29175	29144 - 44500 - 44501	220-260
Medium	Zinc Coated Steel	-	-	04000 - 04003	44500 - 44501	220-260
High	Steel	Sa 2 ^{1/2}	-	04000 - 04003	29144 - 29155 - 44500 - 44501	220-290
High	Steel	Sa 2 ^{1/2}	08008	04384 - 29175	29144 - 29155 - 29164	280-350
High	Zinc Coated Steel	-	-	04384	29144 - 29155 - 29164	250-300

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