







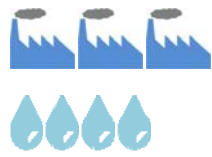




SELECTION TABLE : Type of Surface Treatments related to the Corrosion Class and Risks per type of Environment
(EN ISO 14713 – EN ISO 12944)

Corrosion Class - Risk + Average zinc loss per year	Surface treatments	Typical Indoor Environment	Typical Outdoor Environment
C1 - Very low < 0,1 µm	Electro-galvanisation EN ISO 2081	 Heated buildings with neutral atmospheres : offices, shops, schools, hotels.	Dry or cold zone. Atmosphere with very low impurities.
C2 - Low 0, 1–0,7 µm	Pre-galvanisation (SZ) Sendzimir galvanisation EN 10327 - EN 10143	 Unheated buildings where condensation may occur: warehouses, shops, sports halls.	 Rural areas. Atmosphere with low impurities.
C3 - Medium 0,7 – 2 µm	Hot-dip galvanisation (HD) EN ISO 1461	 Production facilities with high moisture levels and some air impurities : plants for food production, laundries, breweries, dairies.	 City and industrial atmosphere, some impurities from sulphur dioxide, coastal areas with low salt loads.
C4 - High 2 – 4 µm	Hot-dip galvanisation (HD) EN ISO 1461 Powder Coating EN ISO 12944	 Chemical plants, swimming pools, boathouses above sea water.	 Industrial areas and coastal areas with low salt load.
C5-I - Very high (industry) 4 – 8 µm	Duplex (Hot-dip galvanisation + Powder Coating) Stainless steel AISI 316L	 Buildings or areas with almost constant condensation and with heavy impurities.	 Industrial areas with high moisture levels and aggressive atmosphere.
C5-M - Very high (sea) 4 – 8 µm	Duplex (Hot-dip galvanisation + Powder Coating) Stainless steel AISI 316L	 Buildings or areas with almost constant condensation and with heavy impurities.	 Coastal or offshore areas with salt load.