

## Corrosivity classes according to ISO 12944-2:2017 with environmental examples and zinc loss

Corrosivity class	Corrosivity	Examples of typical environments (informative only)		Mass loss per surface unit / thickness loss (after 1st year of exposure)	
		Exterior	Interior	Zinc	
				Mass loss g/m <sup>3</sup>	Thickness loss μm
C1	Very low	-	Heated buildings with clean atmosphere, e.g. offices, shops, schools, hotels	≥ 0,7	≤ 0,1
C2	Low	Atmospheres with low level of pollution: mostly rural areas	Unheated buildings where condensation can occur, e.g. depots, sports halls	> 0,7 - 5	> 0,1 - 0,7
C3	Medium	Urban and industrial atmospheres, moderate sulfur dioxide pollution; coastal areas with low salinity	Production rooms with high humidity and some air pollution, e.g. food-processing plants, laundries, breweries, dairies	> 5 - 15	> 0,7 - 2,1
C4	High	Industrial areas and coastal areas with moderate salinity	Chemical plants, swimming pools, coastal ship and boatyards	> 15 - 30	> 2,1 - 4,2
C5	Very high	Industrial areas with high humidity and aggressive atmosphere and coastal areas with high salinity	Buildings or areas with almost permanent condensation and with high pollution	> 30 - 60	> 4,2 - 8,4
CX	Extreme	Offshore areas with high salinity and industrial areas with extreme humidity and aggressive atmosphere and subtropical and tropical atmospheres.	Industrial areas with extreme humidity and aggressive atmosphere.	> 60 - 180	> 8,4 - 25

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