

## Corrosion categories according to ISO 12944-5

**Please note that your steel item must be processed in the correct corrosion category.**

It is the lifespan requirement in a specific environment that determines which corrosion category a given steel construction should be processed in.

Steel constructions must be used/placed under different climatic conditions:

- Low corrosion categories for protected environments excl. indoor use.
- High corrosion categories for exposed and coastal environments

Corrosion categories are split into 6 different categories according to ISO 12944-5, based on their area of usage:

Category	Outdoor	Indoor
C1: Very low		Heated buildings with production, such as offices, shops, schools, hotels and similar.
C2: Low	Areas with low pollution levels. Mainly land-based environments.	Unheated buildings where condensation can occur. Such as warehouses, depots, sports halls and similar.
C3: Medium	City and industrial areas with moderate sulphur dioxide pollution. Coastal areas with low salt content.	Production areas with high levels of damp and some air pollution. Such as industrial plants, laundrettes, breweries, food production and similar.
C4: High	Industrial areas and coastal areas with moderate salt content.	Chemical industries, ship and boatyards.
C5I: Very high	Industrial areas with high levels of damp and aggressive environments.	Buildings and areas with almost permanent condensation and with high levels of pollution.
C5M: Maritime	Coastal areas and offshore plants with a high salt content.	Buildings and areas with a high degree of condensation and with high levels of pollution.