

## Defining the external coating system for your tank is important.

If the external coating does not match the environment of installation, the lifetime of the coating and eventually the tank will be shorter than expected.

ISO12944 is the industry standard for corrosion protection of steel structures by protective paint systems.

ISO12944:2018 is designed to provide guidance in the application of coatings to steel.

The standard defines the environment in which the steel structure ( tank ) should be installed, and on the bases of this environment, it defines a corrosion category. The different paint manufacturers then build a system that is suitable for each category. In other words: You have to define the environment of installation in order to define the external coating for your tank. Below you find a table that can help you choose the correct corrosion category for your next CGH tank.

Recommended corrosion category compared with installation environment:

Corrosion category	Corrosivity	Environment of installation
C1	Very Low	Inside heated buildings
C2	Low	Temperate low pollution
C3	Medium	Outside in areas with medium pollution. Not close to the sea.
C4	High	Industrial areas and coastal areas with low salinity.
C5	Very high	Industrial areas with high humidity and aggressive atmosphere and coastal areas with high salinity.
CX	Extreme	Offshore and other extreme areas with salt spray.
IM1	Fresh water	River installations
IM2	Sea or brackish water	Immersed structures without cathodic protection.
IM3	Underground	Buried structures
IM4	Sea or brackish water with cathodic protection	Immersed structures with cathodic protection.