

Suitable corrosivity category / offshore environments

CXG

Paint system ISO 12944-9	High
CX	Zn
CX + Im4	
Im4	

OFFSHORE PAINT SYSTEMS FOR HOT DIP GALVANIZED

Paint system 220 µm

1 1.8.2018

These paint systems are designed for corrosion protection of hot dip galvanized steel structures at offshore environments.

These paint systems consist of an epoxy primer, an epoxy intermediate coat and a polyurethane top coat.

ISO 12944-9 describes paint systems for high durability according to ISO 12944-1.

Paint		CXG1
TEKNOPLAST PRIMER 3	EP	1x20 µm
TEKNOPLAST HS 150	EP	1x140 µm
TEKNODUR 0050	PUR	1x60 µm
Total film thickness		220 µm
Paint system VOC, g/m ²		122

Example of Teknos paint system code	Example of paint system structure
TECX/H/G1	ISO 12944-9/CX-EP/PUR (EPPUR220/3-ZnSaS)

These Teknos painting systems have been designed in accordance with ISO 12944:2017-2018 standards. In order to reach the durability ranges in specified corrosivity categories, care must be taken to ensure full compliance of steel construction design, steel prework and surface preparation quality with ISO 12944 standards.

Surface preparation Remove from the surfaces any contaminants that might be detrimental to surface preparation and painting. Remove also water-soluble salts by using appropriate methods.

Zinc surfaces: Hot dip galvanized steel structures that are exposed to atmospheric corrosion can be painted if the surfaces are sweep blast-cleaned (SaS) till matt all over. Suitable cleaning agents are, e.g. aluminium oxide and natural sand. It is not recommended according to standard ISO 12944-5 to paint hot dip galvanized objects that are subjected to immersion strain.

For more detailed information about of the above-mentioned products please see individual product data sheets.