Suitable corrosivity category / offshore environments

CX

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

OFFSHORE PAINT SYSTEMS FOR CARBON STEEL
Paint systems 280 µm

1 1.8.2018

These paint systems are designed for corrosion protection of carbon steel structures at offshore environments.

These paint systems consist of a zinc rich 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		CXA1
TEKNOZINC 90 SE	**EP**	1x60 µm
TEKNOMASTIC 80 PRIMER	**EP**	1x160 µm
TEKNODUR 0050	**PUR**	1x60 µm
Total film thickness		280 µm
Paint system VOC, g/m²		136

Paint		CXA2
TEKNOZINC 80 SE	**EP**	1x60 µm
TEKNOPLAST PRIMER 7 MIOX	**EP**	1x80 µm
TEKNOPLAST PRIMER 7	**EP**	1x80 µm
TEKNODUR 0050	**PUR**	1x60 µm
Total film thickness		280 µm
Paint system VOC, g/m²		168

Example of Teknos paint system code	Example of paint system structure
TECX/H/A1	ISO 12944-9/CX-EPZn(R)/EP/PUR (EPZn(R)EPPUR280/3-FeSa 2½)
TECX/H/A2	ISO 12944-9/CX-EPZn(R)/EP/PUR (EPZn(R)EPPUR280/4-FeSa 2½)

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.

Steel surfaces: Remove mill scale and rust by blast cleaning to preparation grade Sa 2½ (standard ISO 8501-1). The surface profile must be at least medium (G) as defined in standard ISO 8503-1.

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