

Suitable corrosivity categories/durability ranges

Im

Paint system ISO 12944-5	Low	Medium	High	Very high
I.02	X	X	X	X

TEI.02 Very high

TEKNOZINC 80 SE and TEKNOZINC 3480 SE, IMMERSION Paint systems 500 µm

1 1.8.2018

TEKNOZINC 80 SE and TEKNOZINC 3480 SE paint systems consist of different paints where the primer is a 2-component zinc epoxy paint containing at least 80% zinc by weight in the dry paint film. Top coats are based on epoxy chemistry.

Below mentioned zinc rich paint systems are designed for carbon steel for immersion categories Im 1, Im 2 and Im 3.

Paint		A1	A2	A3	A4	A5	A6
TEKNOZINC 80 SE	EP	1x60 µm	1x60 µm	1x60 µm			
TEKNOZINC 3480 SE	EP				1x60 µm	1x80 µm	1x80 µm
TEKNOPLAST HS 150	EP	1x120 µm			1x120 µm		
TEKNOPLAST HS 150	EP	2x160 µm			2x160 µm		
TEKNOMASTIC 80 PRIMER	EP		2x220 µm			2x210 µm	
TEKNOMASTIC COMBI 80-500	EP			2x220 µm			2x210 µm
Total film thickness		500 µm	500 µm	500 µm	500 µm	500 µm	500 µm
Paint system VOC, g/m ²		242	161	161	215	139	139

Example of Teknos paint system code	Example of paint system structure
TEI.02/VH/A3	ISO 12944-5/I.02-EPZn(R)/EP (EPZn(R)EP500/3-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).

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