

Suitable corrosivity categories/durability ranges

C

Paint system ISO 12944-5	Low	Medium	High	Very high
C3.10	X	X	X	X
C4.10	X	X	X	
C5.06	X	X		

TEC3.10 Very high
TEC4.10 High
TEC5.06 Medium

TEKNOZINC 80 SE
Paint systems 200 µm

1 1.8.2018

TEKNOZINC 80 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.

Paint systems, containing zinc rich TEKNOZINC 80 SE primer, give excellent corrosion protection properties. Top coats for these corrosivity categories can be chosen from epoxy or polyurethane chemistry. Some of chosen top coats are of high solid type.

Where excellent gloss and colour retention is expected of the surface finish, it is recommended to add 40 µm dry film of TEKNODUR 0250, 0290 or 295-900 clear coat as a top layer on top of the polyurethane (PUR) paint systems described below. Please consult TEKNOS representative for choosing the most suitable product.

These paint systems are designed for corrosivity categories C3 – C5 with durability classes very high - medium.

Paint		EP- top coat		PUR- top coat			
		D1	D2	D3	D4	D5	D6
TEKNOZINC 80 SE	EP	1x60 µm	1x60 µm	1x60 µm	1x60 µm	1x60 µm	1x60 µm
TEKNOPLAST PRIMER 3 / 5	EP	1x100 µm		1x100 µm			
TEKNOPLAST PRIMER 7	EP		1x100 µm		1x100 µm	1x80 µm	
TEKNOPOX PRIMER 9-00	EP						1x100 µm
TEKNOPLAST 50/90	EP	1x40 µm	1x40 µm				
TEKNODUR 0050/0090	PUR			1x40 µm	1x40 µm		
TEKNODUR 3410-series	PUR					1x60 µm	
TEKNODUR 100 9-00	PUR						1x40 µm
Total film thickness		200 µm	200 µm	200 µm	200 µm	200 µm	200 µm
Paint system VOC, g/m ²		170	129	168 / 174	127 / 133	119 - 126	147

Example of Teknos paint system code	Example of paint system structure
TEC3.10/VH/D1	ISO 12944-5/C3.10-EPZn(R)/EP (EPZn(R)EP200/3-FeSa 2½)
TEC4.10/H/D3	ISO 12944-5/C4.10-EPZn(R)/EP/PUR (EPZn(R)EPPUR200/3-FeSa 2½)
TEC5.06/M/D5	ISO 12944-5/C5.06-EPZn(R)/EP/PUR (EPZn(R)EPPUR200/3-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.