

Suitable corrosivity categories/durability ranges

C

Paint system ISO 12944-5	Low	Medium	High	Very high
C5.08	X	X	X	X

TEC5.08 Very high

TEKNOZINC 80 SE Paint systems 320 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 category C5 with durability class very high.

Paint		EP-	PUR-			
		top coat	D1	D2	D3	D4
TEKNOZINC 80 SE	EP	1x60 µm	1x60 µm	1x60 µm	1x60 µm	
TEKNOPLAST PRIMER 7	EP	2x110 µm	2x110 µm	2x100 µm		
TEKNOPOX PRIMER 9-00	EP				2x110 µm	
TEKNOPLAST 50/90	EP	1x40 µm				
TEKNODUR 0050/0090	PUR		1x40 µm			
TEKNODUR 3410-series	PUR			1x60 µm		
TEKNODUR 100 9-00	PUR				1x40 µm	
Total film thickness		320 µm	320 µm	320 µm	320 µm	
Paint system VOC, g/m ²		180	179 / 185	170 - 177	214	

Example of Teknos paint system code	Example of paint system structure
TEC5.08/VH/D1	ISO 12944-5/C5.08-EPZn(R)/EP (EPZn(R)EP320/4-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).

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