Suitable corrosivity categories/durability ranges

C

Paint system ISO 12944-5	Low	Medium	High	Very high
C2.08	**X**	**X**	**X**	**X**
C3.09	**X**	**X**	**X**	
C4.09	**X**	**X**		
C5.05	**X**			

TEC2.08 Very high
TEC3.09 High
TEC4.09 Medium
TEC5.05 Low

TEKNOZINC 80 SE, High Solid TOP COATS Paint systems 160 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, polyurethane or fast curing polyaspartic chemistry. 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) or polyaspartic (PAS) paint systems described below. Please consult TEKNOS representative for choosing the most suitable product.

These paint systems are designed for corrosivity categories C2 – C5 with durability classes very high - low.

		EP-top coat	**PUR**-top coat		**PAS**-top coat
Paint		**A1**	**A2**	**A3**	**A4**
TEKNOZINC 80 SE	**EP**	1x60 µm	1x60 µm	1x60 µm	1x60 µm
TEKNOPLAST HS 150	**EP**	1x100 µm			
TEKNODUR COMBI 3430 -series	**PUR**		1x100 µm		
TEKNODUR COMBI 340-811	**PUR**			1x100 µm	
TEKNODUR COMBI 3560 -series	**PAS**				1x100 µm
Total film thickness		160 µm	160 µm	160 µm	160 µm
Paint system VOC, g/m²		97	111 - 129	93	60 - 114

Example of Teknos paint system code	**Example of paint system structure**
TEC2.08/VH/**A1**	12944-5/C2.08-EPZn(R)/EP (EPZn(R)EP160/2-FeSa 2½).
TEC3.09/H/**A2**	12944-5/C3.09-EPZn(R)/PUR (EPZn(R)PUR160/2-FeSa 2½)
TEC4.09/M/**A3**	12944-5/C4.09-EPZn(R)/PUR (EPZn(R)PUR160/2-FeSa 2½)
TEC5.05/L/**A4**	12944-5/C5.05-EPZn(R)/PAS (EPZn(R)PAS160/2-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.