

Suitable corrosivity categories/durability ranges

C

Paint system ISO 12944-5	Low	Medium	High	Very high
C4.07	X	X	X	X
C5.03	X	X	X	

TEC4.07 Very high
TEC5.03 High

TEKNOPLAST PRIMER 7

Paint systems 300 µm

1 1.8.2018

TEKNOPLAST PRIMER 7 paint systems consist of an high-solid epoxy primer with good adhesion to the substrate and high corrosion protection properties.

As a top coat different kind of paint chemistries can be used. Epoxy top coats have good mechanical properties as their nature and polyurethane top coats are used when a good colour and gloss retention are required. These paint systems contain also a high-solid fast curing polyaspartic top coat as option.

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 C4 – C5 with durability classes very high - high.

Paint		EP-top coat		PUR-top coat				PAS-top coat
		D1	D2	D3	D4	D5	D6	D7
TEKNOPLAST PRIMER 7	EP	2x100 µm	2x130 µm	2x130 µm	2x120 µm	2x100 µm	2x100 µm	2x100 µm
TEKNOPLAST HS 150	EP	1x100 µm						
TEKNOPLAST 50 / 90	EP		1x40 µm					
TEKNODUR 0050 / 0090	PUR			1x40 µm				
TEKNODUR 3410-series	PUR				1x60 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		300 µm	300 µm	300 µm	300 µm	300 µm	300 µm	300 µm
Paint system VOC, g/m ²		128	143	142 / 148	134 - 141	142 - 160	124	91 - 145

Example of Teknos paint system code	Example of paint system structure
TEC4.07/VH/D3	ISO 12944-5/C4.07-EP/PUR (EPPUR300/3-FeSa 2½).
TEC5.03/H/D7	ISO 12944-5/C5.03-EP/PAS (EPPAS300/3-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.