

Suitable corrosivity categories/durability ranges

C

Paint system ISO 12944-5	Low	Medium	High	Very high
C2.05	X	X	X	
C3.05	X	X		
C4.04	X			

TEC2.05 High
TEC3.05 Medium
TEC4.04 Low

2-COMPONENT COMBI Paint systems 120 µm

1 1.8.2018

2-COMPONENT COMBI paint systems consist of different types of paint chemistries. These direct to metal one layer paint systems have excellent adhesion to steel. Epoxy paints have from their nature good mechanical and corrosion protection properties. Polyurethane paints and fast curing polyaspartics have good gloss and colour retention properties outdoors.

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 – C4 with durability classes high - low.

Paint		A1	A2	A3	A4	A5	A6
TEKNOPLAST HS 150	EP	1x120 µm					
TEKNOMASTIC COMBI 80-500	EP		1x120 µm				
INERTA 271	EP			1x120 µm			
TEKNODUR COMBI 3430 -series	PUR				1x120 µm		
TEKNODUR COMBI 340-811	PUR					1x120 µm	
TEKNODUR COMBI 3560 -series	PAS						1x120 µm
Total film thickness		120 µm	120 µm	120 µm	120 µm	120 µm	120 µm
Paint system VOC, g/m ²		51	29	32	69 - 90	47	8 - 72

Example of Teknos paint system code	Example of paint system structure
TEC2.05/H/A1	ISO 12944-5/C2.05-EP (EP120/1-FeSa 2½).
TEC3.05/M/A4	ISO 12944-5/C3.05-PUR (PUR120/1-FeSa 2½)
TEC4.04/L/A6	ISO 12944-5/C4.04-PAS (PAS120/1-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.