Suitable corrosivity categories/durability ranges

Paint system ISO 12944-5	Low	Medium	High	Very high
C2.03	X	X	X	
C3.02	X	X		
C4.01	X			

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TEC2.03 High
TEC3.02 Medium
TEC4.01 Low

1-COMPONENT COMBI
Paint systems 160 µm

1 1.8.2018

1-COMPONENT COMBI paint systems consist of different kind of alkyd paints having very good corrosion protection properties. 1-COMPONENT COMBI paints contain efficient active anticorrosive pigments. TEKNOLAC COMBI 50 has the fastest drying properties and TEKNOSYNT COMBI 50 is a thixotropic urethane/alkyd based paint.

These paint systems can be used in field and station painting of structured steel objects.

These paint systems are designed for corrosivity categories C2 – C4 with durability classes high - low.

Paint		A1	A2	A3
TEKNOLAC COMBI 50	**AK**	2x80 µm		
TEKNOLAC COMBI 2280-02	**AK**		2x80 µm	
TEKNOSYNT COMBI 50	**AK**			2x80 µm
Total film thickness		160 µm	160 µm	160 µm
Paint system VOC, g/m²		185	96	178

Example of Teknos paint system code	Example of paint system structure
TEC2.03/H/**A1**	ISO 12944-5/C2.03-AK (AK160/2-FeSa 2½).
TEC3.02/M/**A2**	ISO 12944-5/C3.02-AK (AK160/2-FeSa 2½).
TEC4.01/L/**A3**	ISO 12944-5/C4.01-AK (AK160/2-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.