

TEKNOSYNT COMBI 50

alkyd paint

PAINT TYPE	TEKNOSYNT COMBI 50 is a thixotropic urethane/alkyd based paint pigmented with anticorrosive pigments.
USAGE	Either alone (in 1 or 2 coats) or as a top coat in alkyd coating systems on steel in environments with moderate corrosivity. Coating System K12. When painting with bright red or yellow colours on surfaces that will be subjected to specific rubbing by clothing (seating, banisters etc.), it is recommended to get in touch with Teknos's Technical Service.
SPECIAL PROPERTIES	Being quick-drying, TEKNOSYNT COMBI 50 is well suited for use in engineering and paint shops. The anticorrosive pigments of the paint do not contain lead or chromates.

TECHNICAL DATA

Solids	50 ±2% by volume		
Total mass of solids	abt. 750 g/l		
Volatile organic compound (VOC)	abt. 400 g/l		
Recommended film thickness and theoretical spreading rate	Dry film (µm)	Wet film (µm)	Theoretical spreading rate (m ² /l)
	40	80	12,5
	80	160	6,2
	100	200	5,0 (1-layer painting)

As many of the paint's properties will change if too thick coats are applied, it is not recommended that the product is applied to a film thickness that is more than double of the thickest recommended film.

Practical spreading rate The values depend on the application technique, surface conditions, overspray, etc.

Drying time at +23°C / 50% RH (dry film 40 µm)

- dust free (ISO 9117-3:2010) after 1 h
- touch dry (ISO 9117-5:2012) after 3 h

Overcoatable, 50% RH (dry film 40 µm)

surface temperature	by itself	
	min.	max.
+5°C	after 18 h	-
+23°C	after 6 h	-

Increase in film thickness and rise in the relative humidity of the air in the drying space usually slow down the drying process.

Thinner, clean up	TEKNOSOLV 9507 or TEKNOSOLV 1621
Finish	Semi-matt
Colours	The paint is included in the Teknomix tinting system.
SAFETY MARKINGS	See Safety Data Sheet.

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NOTE! Because of the danger of self-ignition, any waste from the product, spray mist and soiled rags etc. are to be kept in a fire-proof place in air-tight containers. Immersion in water is also recommended.

DIRECTION FOR USE**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. The surfaces are prepared according to the different materials as follows:

STEEL SURFACES: Remove mill scale and rust by blast-cleaning to preparation grade Sa 2 (ISO 8501-1).

OLD PAINTED SURFACES SUITABLE FOR OVERCOATING: Any impurities that might be detrimental to the application of paint (e.g. grease and salts) are removed. The surfaces must be dry and clean. Old, painted surfaces that have exceeded the maximum overcoating time are to be roughened as well. Damaged parts are prepared in accordance with the requirements of the substrate and the maintenance coating.

The place and time of the preparation are to be chosen so that the prepared surface will not get dirty or damp before the subsequent treatment.

Prefabrication primer

KORRO PVB, KORRO E Epoxy and KORRO SS Zinc Silicate Prefabrication primers can be used, when required.

Application conditions

The surface to be painted has to be dry. During the application and drying period the temperature of the ambient air, the surface and the paint shall be above +5°C and the relative air humidity below 80%.

Application

Before use stir the paint thoroughly.

Apply preferably by airless spray, since only this method provides the recommended film thickness in a single operation. Use airless spray nozzle 0.015 - 0.018".

ADDITIONAL INFORMATION

The storage stability is shown on the label. Store in a cool place and in tightly closed containers.

Additional instructive information for surface preparation can be found in standards EN ISO 12944-4 and ISO 8501-2.

The information of this data sheet is normative and based on laboratory tests and practical experience. Teknos guarantees that the product quality conforms to our quality system. Teknos accepts, however, no liability for the actual application work, as this is to a great extent dependent on the conditions during handling and application. Teknos accepts no liability for any damage resulting from misapplication of the product. This product is intended for professional use only. This implies that the user possesses sufficient knowledge for using the product correctly with regard to technical and working safety aspects. The latest versions of Teknos data sheets, material safety data sheets and system sheets are on our home pages www.teknos.com.



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