TEKNOSYNT PRIMER 3



Alkyd primer

TEKNOSYNT PRIMER 3 is a thixotropic, quick-drying paint that is thinned with white spirit and contains active anticorrosive pigments.

Used in field and station painting of structural steel exposed to urban, marine or industrial climate. Also suitable to be applied by brush on wire-brushed surfaces and for product coating, e.g. painting of transport equipment.

TECHNICAL DATA

Recommended substrate	Steel
Binder	Alkyd
Solids	45 ±2% by volume
Total mass of solids	Approx. 740 g/l
Volatile organic compound (VOC)	Approx. 480 g/l (DIRECTIVE 2010/75/EU) The VOC value provided is the average value for factory produced products, and consequently it will be subject to variations between individual products covered by this Technical Data Sheet.
Theoretical spreading rate	See table below 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.
Colours	Yellow, grey, red, black.
Gloss (60°)	Semi-matt
Thinner	TEKNOSOLV 9507 or TEKNOSOLV 1621.
Storage	The storage stability is shown on the label. Store in a cool place and in tightly closed containers.

Dry film (µm)	Wet film (µm)	Theoretical spreading rate (m^2/l)
40	88	11.2
80	177	5.6
100	222	4.5

DIRECTION FOR USE

Surface preparation	Remove from the surfaces any contaminants that might be detrimental to surface preparation and application. 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 or wire-brushing to preparation grade St 2 (red colour) (ISO 8501-1). Roughening the surface of thin-plate improves the adhesion of the paint to the substrate. 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. Additional instructive information for surface preparation can be found in standards EN ISO 12944-4 and ISO 8501-2. Prefabrication primer: KORRO PVB, KORRO E Epoxy and KORRO SS Zinc Silicate Prefabrication primers can be used, when required.
Application method	Airless spraying, Brush
Application	Stir thoroughly before use. Suitable airless nozzle size 0.015 - 0.018".
Application conditions	The surface to be treated must be dry. During the application and drying period the temperature of the ambient air, the surface and the product shall be above +5 °C and the relative air humidity below 80%.

Drying time	+23 °C / 50% RH (dry film 40 µm)
- dust free	1 h (ISO 9117-3:2010)
- touch dry	2 h (ISO 9117-5:2012)

Overcoatable

surface temperature	**by itself, TEKNOSYNT COMBI 50, TEKNOSYNT 90 or other comparable paint**	
	min.	max.
+5 °C	8 h	-
+23 °C	3 h	-

The drying is considerably quicker at higher temperatures.

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

Cleaning	TEKNOSOLV 9507 or TEKNOSOLV 1621.

HEALTH AND SAFETY

Safety and precaution measures	See safety data sheet. NOTE! Because of the danger of spontaneous combustion, 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.

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