

TEKNOLAC PRIMER 100

Alkyd Primer

TEKNOLAC PRIMER 100 is an air-drying, modified alkyd primer that contains active anticorrosive pigments.

TEKNOLAC PRIMER 100 is used as anticorrosive primer. For steel and aluminium constructions in indoor and outdoor use.

The paint dries quickly and has good adhesion to the substrate and excellent anticorrosive properties. It is used as anticorrosive paint in painting systems with top-coat.



TECHNICAL DATA

Fields of application	Machinery, Steel constructions									
Recommended substrate	Steel									
Binder	Alkyd									
Solids	47±2% by volume (ISO 3233)									
Total mass of solids	Approx. 840 g/l									
Volatile organic compound (VOC)	Approx. 475 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	<table border="1"><thead><tr><th>Dry film (µm)</th><th>Wet film (µm)</th><th>Theoretical spreading rate (m²/l)</th></tr></thead><tbody><tr><td>40</td><td>85</td><td>11.8</td></tr><tr><td>80</td><td>170</td><td>5.9</td></tr></tbody></table> <p>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.</p>	Dry film (µm)	Wet film (µm)	Theoretical spreading rate (m ² /l)	40	85	11.8	80	170	5.9
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Practical spreading rate	The values depend on the application technique, surface conditions, overspray, etc.									
Colours	TO-320 sandy, TO-250 red oxide, TO-810 light grey, TO-880 dark grey, TO-990 black, TO-010 white, RAL 7035, RAL 7021									
Gloss (60°)	Matt									
Thinner	TEKNOSOLV 1639, TEKNOSOLV 9502									
Storage	The storage stability is shown on the label. Must be stored tightly closed and kept cool.									

DIRECTION FOR USE

Surface preparation

Remove from the surfaces any contaminants that might be detrimental to surface preparation and application. Before cleaning of surface, it is recommended to wash it with water with addition of OLICLEAN 123 and then rinse with fresh water.

STEEL SURFACES: Remove mill scale and rust by blast-cleaning to preparation grade Sa 2½ or Sa 2 or by treating mechanically to preparation grade St 3 (ISO 8501-1). The preparation grade is chosen by the object and current corrosivity category. Roughening the surface of thin-plate improves the adhesion of the paint to the substrate.

ALUMINIUM SURFACES: Treat the surfaces with RENSA STEEL washing agent. Surfaces that are exposed to weathering are also roughened up with sweep blast-cleaning (AlSaS) or sanding.

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.

Application method

Airless spraying, Conventional spraying, Brush, Roller

Application

Stir thoroughly before use.

Apply by airless spray, brush, roller (for small areas only) or conventional spray. Suitable airless nozzle size 0.013 - 0.015".

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%. Additionally, the temperature of the surface to be treated and the product must be at least +3°C above the dew point of the ambient air.

Drying time	+23 °C / 50% RH (dry film 40 µm)	
- dust free	after 20 min	
- touch dry	after 30 min	
Overcoatable	Surface temperature	By itself, TEKNOLAC and TEKNOLAC COMBI - series
		Min. Max.
	+23 °C	1h Unlimited

The values given for drying times and overcoatability may vary depending on film thickness and drying conditions.
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 1639, TEKNOSOLV 9502

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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