

# TEKNOLAC 180 9-00

## Alkyd topcoat

TEKNOLAC 180 9-00 is a quick-drying alkyd based topcoat.

The paint is used as a topcoat on steel constructions exploited in urban and industrial atmosphere.

TEKNOLAC 180 9-00 is decorative coating with good adhesion to the substrate, flexible and resistant to weathering.



## TECHNICAL DATA

<b>Fields of application</b>	Machinery, Steel constructions								
<b>Binder</b>	Alkyd								
<b>Solids</b>	49±2% by volume (ISO 3233)								
<b>Total mass of solids</b>	Approx. 680 g/l								
<b>Volatile organic compound (VOC)</b>	Approx. 465 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.								
<b>Theoretical spreading rate</b>	<table border="1"><thead><tr><th>Dry film (µm)</th><th>Wet film (µm)</th><th>Theoretical spreading rate (m<sup>2</sup>/l)</th></tr></thead><tbody><tr><td>40</td><td>81</td><td>12.3</td></tr></tbody></table>	Dry film (µm)	Wet film (µm)	Theoretical spreading rate (m <sup>2</sup> /l)	40	81	12.3		
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40	81	12.3							
	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.								
<b>Practical spreading rate</b>	The values depend on the application technique, surface conditions, overspray, etc.								
<b>Colours</b>	The paint is available in base colors intended for coloring system. After agreement, selected colors are available in factory colors.								
<b>Tinting system</b>	Teknomix								
<b>Gloss (60°)</b>	Gloss								
<b>Thinner</b>	TEKNOSOLV 9502, TEKNOSOLV 1639, TEKNOSOLV 779								
<b>Storage</b>	The storage stability is shown on the label. Must be stored tightly closed and kept cool and dry.								

## 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. The surfaces are prepared according to the different materials as follows:

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.

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

### Priming

Coating of alkyd paint (eg. TEKNOLAC PRIMER 100). The primer surface must be dry, without salt, dust and grease.

### Application method

Airless spraying, Conventional spraying, Brush, Roller

### Application

Stir thoroughly before use.

Apply by airless spray, brush, roller or conventional spray.

Suitable airless nozzle size 0.011 - 0.015".

Nozzle pressure 10-15 MPa.

Typical dry film thickness range using airless spray is from 30 to 60 µm. Changing the thickness of the coating changes the theoretical consumption, thickness, weight of dry coating, drying time, time of recoating and finishing work.

### 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. Adequate ventilation during application and drying period is recommended.

### Drying time

+23°C / 50% RH (dry film 40 µm)

#### - dust free

after 45 min

#### - touch dry

after 4 h

### Overcoatable

Surface temperature	By itself	
	Min.	Max.
+23°C	1 h	unlimited

Given times relates to the recommended coating thickness, drying in good ventilation conditions. These times may change with a change of temperature, ventilation, number of layers and the thickness of the coating.

**Cleaning**

TEKNOSOLV 9502, TEKNOSOLV 1639, TEKNOSOLV 779

**HEALTH AND SAFETY****Safety and precaution measures**

See safety data sheet.

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. Alternatively the waste is to be burned. Immersion in water is also recommended.

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