

TEKNOLAC COMBI 151-500

Alkyd Paint

TEKNOLAC COMBI 151-500 is a quick-drying alkyd paint.

The paint after tinting is used as a topcoat on interior and exterior steel constructions exploited in urban and industrial atmosphere. Can also be used in mild environmental stress classes as a single coat on steel and aluminium surfaces.

An example of this type of application can be painting a means of transport, eg. waggons, containers. Before using the product the manufacturer should be contacted with Teknos to check the suitability of the product for the object in question.

TEKNOLAC COMBI 151-500 is decorative, semigloss coating, with good adhesion to the substrate, flexible and resistant to weathering. The paint is very quick-drying and is therefore suitable for use in engineering and paint shops.



TECHNICAL DATA

Fields of application	Machinery, Steel constructions		
Recommended substrate	Steel		
Binder	Alkyd		
Solids	50±2% by volume (ISO 3233)		
Total mass of solids	Approx. 710 g/l		
Volatile organic compound (VOC)	Approx. 500 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	Dry film (µm)	Wet film (µm)	Theoretical spreading rate (m²/l)
	40	80	12.5
	80	160	6.25
	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	The paint is available in base colors intended for tinting systems. One tinting system should be used throughout the entire project. After agreement, selected colors are available in factory colors.		

Tinting system	Teknomix; Teknotint
Gloss (60°)	Semi-gloss
Thinner	TEKNOSOLV 1639, TEKNOSOLV 9502
Storage	The storage stability is shown on the label. Must be stored tightly closed and kept cool and dry.

DIRECTION FOR USE

Surface preparation	<p>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:</p> <p>STEEL SURFACES: In case of applying as a single coat on steel surface it is recommended mechanical cleaning of the substrate to the degree of cleanliness according to PN-ISO 8501-1 at least St 3.</p> <p>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.</p> <p>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.</p> <p>Additional instructive information for surface preparation can be found in standards EN ISO 12944-4 and ISO 8501-2.</p>
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	<p>Stir thoroughly before use.</p> <p>Apply by airless spray, brush, roller (for small areas only) or conventional spray. Suitable airless nozzle size 0.013 - 0.015".</p> <p>Nozzle pressure 10-15 MPa.</p> <p>Typical dry film thickness range using airless spray is from 40 to 80 µm.</p> <p>Changing the thickness of the coating changes the theoretical consumption, thickness, weight of dry coating, drying time, time of recoating and finishing work.</p>

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 30 min

- touch dry

after 1 h

Overcoatable

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

Teknos Group Oy Takkatie 3, P.O.Box 107 FI-00371 Helsinki, Finland Tel. +358 9 506 091

The above information is normative and based on laboratory tests and practical experiences. The information is noncommittal, and we cannot accept liability for the results obtained under working conditions beyond our control, and consequently the buyer or the user is not released from the obligation to test the suitability of our products for specific means and application methods under the actual application conditions. Our liability covers only damage caused directly by defects in the products supplied by Teknos. 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' Technical Data Sheets and Safety Data Sheets are available from our homepage www.teknos.com. All trademarks displayed on this document are the exclusive property of Teknos Group or its affiliated companies.