

# Temalac ML 90

**DESCRIPTION** A high-gloss, one-component alkyd topcoat.  
**PRODUCT** High gloss alkyd topcoat for steel surfaces. Can be applied using a  
**FEATURES** "wet-on-wet" painting technique. Suitable for industrial finishing.  
**RECOMMENDED USES** Recommended uses: small tanks, agricultural machinery, haulage equipment and other machinery and equipment.



## TECHNICAL DATA



### Features

Good gloss and colour retention when exposed to weathering.

### Coverage

Recommended film thicknesses		Theoretical coverage
dry	wet	
40 µm	90 µm	11.2 m <sup>2</sup> /l
60 µm	135 µm	7.5 m <sup>2</sup> /l

Practical coverage depends on the application method, painting conditions and the shape and roughness of the surface to be coated.

### Thinner

1006 and 1050

### Application method

By airless or conventional spray or by brush.

### Drying times

DFT 40 µm	+ 10 °C	+ 23 °C	+ 35 °C
Dust dry, after	2 h	1 h	½ h
Touch dry, after	8 h	5 h	3 h
Recoatible, after	36 h	24 h	16 h
Recoatible, "wet-on-wet", after		½ - 1 h	
Touch dry 1 h / 60 °C, ½ h / 80 °C			

Drying and recoating times are related to the film thickness, temperature, the relative humidity of the air and ventilation.

### Solids volume

45 ± 2 volume % (ISO 3233)

57 ± 2 weight %

### Density

0.9 - 1.1 kg / l depending on colour.

### Product code

513-series

## APPLICATION DETAILS



## Temalac ML 90

Application conditions	All surfaces must be dry. The temperature of the ambient air, surface and paint should not fall below + 5°C during application and drying. Relative humidity should not exceed 80%. The temperature of the substrate should remain at least 3°C above the dew point.
Preparation	Primed surfaces: Oil, grease, salt and dirt are removed from the surface by appropriate means. Repair any damage to the primer coat. Note the overcoating time of primer. (ISO 12944-4)
Priming	Temaprime EE, Temaprime EUR, Temaprime GF, Temaprime ML and Fontecryl 10.
Finishing	Temalac ML 90.
Painting	By airless spray or by brush. Mix the paint thoroughly before use. At airless spray the paint should be thinned 0 - 10%. Airless spray nozzle tip 0.011" - 0.015" and nozzle pressure 140 - 180 bar. Spray angle shall be chosen according to the shape of the object. The best finish is obtained using a "wet-on-wet" technique, with 5 - 30 minutes evaporating pauses.
Cleaning of tools	Thinner 1006 or Thinner 1050.
EU VOC 2004/42/ EC-limit value	The Volatile Organic Compounds amount is 460 g/litre of paint. VOC content of the paint (thinned 10 % by volume) is 500 g/l. Only for industrial and professional use.

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### HEALTH AND SAFETY LABELLING according to Regulation (EC) No. 1272/2008

Containers are provided with safety labels, which should be observed. Further information about hazardous influences and protection are detailed in individual health and safety data sheets. A health and safety data sheet is available on request from Tikkurila Oyj. [TEMALAC ML 90 \[GB-ENG\]](#)

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### ENVIRONMENTAL and WASTE DISPOSAL TRANSPORT

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The above information, based on laboratory tests and practical experience, has been proved valid at the date marked on the product data sheet. The quality of the product is ensured by our operational system, based on the requirements of ISO 9001 and ISO 14001. As a manufacturer we cannot be responsible for any damages caused by using the product against our instructions or for inappropriate purposes.