Temalac ML 90

DESCRIPTION

A high-gloss, one-component alkyd topcoat.

PRODUCT FEATURES AND RECOMMENDED USES

- Used when there is a high demand for color and gloss retention.
- Gives the surface a high-quality appearance. It is the perfect choice when an easy-to-apply product with an esthetic appearance is required.
- Good gloss and colour retention when exposed to weathering.
- Can be applied using a "wet-on-wet" painting technique.
- Suitable for industrial finishing.
- Recommended uses: small tanks, agricultural machinery, haulage equipment and other machinery and equipment.

TECHNICAL DATA

Volume solids

45±2% (ISO 3233)

Weight solids

57±2%

Specific gravity

0.9–1.1 kg / l depending on colour.

Recommended film thicknesses and theoretical coverage

Recommended film thicknesses		Theoretical coverage
wet	dry	
90µm	40µm	11.2 m²/l
135µm	60µm	7.5 m²/l

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

Drying time

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

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

Gloss

Full gloss.

Color shades

RAL, NCS, SSG, BS, MONICOLOR NOVA and SYMPHONY colour cards. Temaspeed Premium tinting.

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APPLICATION INSTRUCTIONS

Surface 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)
Recommended primers	Temaprime EE, Temaprime EUR, Temaprime GF.
Recommended topcoats	Temalac ML 90.
Application conditions	All surfaces must be clean, dry and free from contamination. The temperature of the ambient air, surface and paint should not fall below +5ºC during application and drying. Relative humidity of the air should not exceed 80% during application and drying. The surface temperature of steel should remain at least 3°C above the dew point. Good ventilation and sufficient air movement is required in confined areas during application and drying.
Application	Stir the product carefully before use. For airless spraying, the product is thinned approximately 0–10%. Recommended nozzle tip is 0.011"–0.015" and pressure 140–180 bar. Spray angle shall be chosen according to the shape of the object. For brush application product should be thinned according to the circumstances. The best finish is obtained using a "wet-on-wet" technique, with 5–30 minutes evaporating intervals.
Thinners	Thinner 1006, Lakkabensiini 1050 At spray application Thinner 1006. At brush application Thinner 1050.
Cleaning of equipment	Thinner 1006, Lakkabensiini 1050
VOC	The Volatile Organic Compounds amount is 460 g/litre of paint. VOC content of the paint (thinned 10% by volume) is 500 g/l.
HEALTH AND SAFETY	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. **For industrial and professional use only.**

The above information is not intended to be exhaustive or complete. The information is based on laboratory tests and practical experience, and it is given to the best of our knowledge. The quality of the product is ensured by our operational system, based on the requirements of ISO 9001 and ISO 14001. As manufacturer we cannot control the conditions under which the product is being used or the many factors that have an effect on the use and application of the product. We disclaim liability for any damages caused by using the product against our instructions or for inappropriate purposes. We reserve the right to change the given information unilaterally without notice.

The product is intended for professional use only and shall only be used by professionals who have sufficient knowledge and expertise on the proper use of the product. The information above is advisory only. To the extent permitted by applicable law, we shall not approve of any liability for the conditions under which the product is being used or for the use or application of the product.

In case you intend to use the product for any other purpose than that recommended in this document without first getting our written confirmation on the suitability for the intended use, such use takes place at your own risk.