



Temalac FD 80

DESCRIPTION

A fast-drying, one-component glossy alkyd topcoat.

PRODUCT FEATURES AND RECOMMENDED USES

- Used as a topcoat in alkyd systems. The paint is an ideal solution for workshops with fast production cycles and for on-site-painting.
- Provides an almost unlimited range of colors, including metallic effects.
- Good gloss and colour retention when exposed to rural conditions.
- Has been used in hundreds of projects during the past years, thus proving the reliability of the product.
- Suitable also for electrostatic painting.
- Recommended for steel structures, service platforms and different types of machinery and equipment.

TECHNICAL DATA

Volume solids

45±2% (ISO 3233)

Weight solids

60±3%

Specific gravity

1.0–1.2 kg / l depending on colour.

Recommended film thicknesses and theoretical coverage

Recommended film thicknesses		Theoretical coverage
wet	dry	
90µm	40µm	11.1 m²/l
135µm	60µm	7.4 m²/l

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

Note! The painting work should be performed and supervised according to 12944-7 if not otherwise stated in the respective technical data sheet. Excessive film thickness may result e.g. in cracking, sagging, prolonged drying time, soft film, less chemical resistance, gloss deviation, adhesion and intercoat functionality. In case the product is used otherwise than stated in the standard a written approval from Tikkurila is required.

Drying time

DFT 40µm	+10°C	+23°C	+35°C
Dust dry, after	40 min	15 min	10 min
Touch dry, after	3 h	1½ h	1 h
Recoatible, after	12 d	6 d	4 d
Recoatible, "wet-on-wet", after	1–4 h	½–2 h	30 min

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

Gloss

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 FD 80.
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 +5°C 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 15–20% to the viscosity 30–40s (DIN4). Recommended nozzle tip is 0.011"–0.015" and pressure 120–180 bar. Spray angle shall be chosen according to the shape of the object. For conventional spraying, the product is thinned approximately 20–30% to the viscosity 20–25s (DIN4). Recommended nozzle tip is 1.4–1.8 mm and pressure 3–4 bar. "Wet-on-wet" spraying technique is recommended.
Thinners	Thinner 1053, Thinner 1006 Large surfaces Thinner 1053 (slow).
Cleaning of equipment	Thinner 1006
VOC	The Volatile Organic Compounds amount is 480 g/litre of paint. Maximum VOC content in ready to use paint (thinned 30% by volume) is 570 g/l. VOC 2004/42/EC is not applicable in the use of the product.

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 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.