Temalac FD 20

DESCRIPTION

Fast-drying, one-component semi-matt anti-corrosive single coat alkyd paint.

PRODUCT FEATURES AND RECOMMENDED USES

- Easy to apply by spraying. The paint is an ideal product for use in workshops with fast production cycles.
- Has been used in hundreds of projects during the past years, thus proving the reliability of the product.
- Good application properties.
- May also be used as a primer in alkyd based paint systems.
- Recommended to be used as a single coat system for steel surfaces.
- The product is used for steel framework and different types of machinery and equipment.

TECHNICAL DATA

Volume solids

50±2% (ISO 3233)

Weight solids

64±2%

Specific gravity

1.1–1.3 kg / l depending on colour.

Recommended film thicknesses and theoretical coverage

Recommended film thicknesses		Theoretical coverage
wet	dry	
80µm	40µm	12.5 m²/l
160µm	80µm	6.3 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 50µm	**+10°C**	**+23°C**	**+35°C**
Dust dry, after	40 min	15 min	10 min
Touch dry, after	5 h	1–2 h	½–1 h
Recoatable, after	1½ h	30 min	20 min

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

Gloss

Semi-matt.

Color shades

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

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APPLICATION INSTRUCTIONS

Surface preparation	Oil, grease, salts and dirt are removed by appropriate means. (ISO 12944-4) Steel surfaces: Blast clean to grade Sa2½. (ISO 8501-1) If blast cleaning is not possible, phosphating is recommended for cold rolled steel to improve adhesion. 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	Temalac FD 20, Temaprime EE, Temaprime EUR, Temaprime GF.
Recommended topcoats	Temalac FD 20, Temalac FD 50, Temalac FD 80, Temalac AB 70, 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 5–15%. 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.
Thinners	Thinner 1006, Thinner 1053 Large surfaces Thinner 1053 (slow).
Cleaning of equipment	Thinner 1006
VOC	The Volatile Organic Compounds amount is 440 g/litre of paint. VOC content of the paint (thinned 15% by volume) is 495 g/l. VOC 2004/42/EC (cat A/i) 500 g/l (2010)

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.