

# 5111 MARALKYD DTM COATING

Fast drying one component satin glossy high build alkyd coating, containing anti-corrosion pigments. A semi gloss finishing in colour on steel surfaces. Single coat application on steel structures in dry, mild environments. High protection during building stages at sufficient film thickness.

**Type:** High build alkyd coating.

**Usage:** Machinery Industry, General Industry, Steel Industry, Manufacturing Industry, Agricultural Machinery, etc.

**Surface Preparation:** The best results are achieved on blasted steel prepared to ISO-Sa 2.5. Good results can also be obtained on mechanically prepared steel. The minimum standard for surface preparation is ISO-St. 3.

## Physical Information:

- Gloss:** Semi-Gloss (30% Glossy)
- Colour:** Standard colours (e.g. RAL, NCS)
- Volume solids:**  $53 \pm 2$  (depends on colour)
- VOC (theoretical):** 420 g/l
- Density:** At 20 °C  $\pm 1.34$  l/kg
- Theoretical coverage:** At a dry film thickness of 40  $\mu\text{m}$ : 8,4 m<sup>2</sup>/kg
- Flash Point:** Maximum 120 °C (dry load)
- Shelf life:** In original well shut packaging 12 months, stored inside at temperatures between 5 °C and 40 °C.

## Temperature Resistance

- Continuous:** 110°C
- Maximum:** 110°C

The values given are for corrosion protection. Cosmetic deterioration may occur at these temperatures. The exposure time to the maximum temperature should be considered as a maximum of 1 hour.

## Processing Data

	Airless spray	Brush-roller	Airspray
Thinner	M.I.T	M.I.T	M.I.T
Amount	0-10 vol.%	0-5 vol.%	0-10 vol.%
Nozzle	min. 0.015 inch	n.a	1.3-2.0 mm
Flow Preassure	140-160 bar	n.a	3-4 bar
Dry Film Tickness	80 $\mu\text{m}$	50 $\mu\text{m}$	80 $\mu\text{m}$

Cleaning tools: Immediately after application using thinner M.I.T.

Mixing instructions: preferably using a mechanical mixing device. The temperature of the mixed product should at least be 10 °C during application.

**Notes:** To achieve the specified film thickness when using a brush or roller, additional coats may be required. For painting edges, corners, and welds, cutting-in with paint is recommended. During application in enclosed areas, proper ventilation is necessary to remove solvent vapors, gases, and/or fumes from the environment.

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## Drying Times

	10 °C	20 °C
Dust free	1 hour	20 min.
Manageable	1.5 hours	1 hour
Recoat able	12 hours	7 hours

Dry times at 50% RH at a standard dry film thickness of 80 µm.

**Note:** Drying time and the application interval for additional coats increase as film thickness increases.

Before placing an object outdoors, it is necessary that the paint film of 5111 is cured enough. When the curing period is too short, a white discoloration may occur when the paint film comes into contact with water.

**Safety:** For necessary safety rules and warnings, refer to the MSDS (Material Safety Data Sheet). The minimum safety rules to follow are:

- Avoid contact with paint on skin and eyes. (Use gloves, protective goggles, face masks, and industrial cream.)
- Ensure adequate ventilation. (During application and until the paint is dry.) Avoid inhaling solvent vapors. (In addition to forced ventilation, use a half-face mask with a carbon filter.)
- If paint contacts the skin, wash with warm water and soap or an industrial cleaner. If the paint splashes into the eyes, rinse with water for at least 10 minutes and seek medical attention.
- Since these materials contain flammable components, avoid sparks and open flames. Smoking should be prohibited in the area.

***All cautionary notes on the containers should be read carefully, and the recommended working procedures should be followed.***

## Maintenance

It is recommended to clean the surface regularly and to inspect the coats of paint for defects annually. Touch up any defects with the original paint system.

**Notes:** All information provided in this technical bulletin may change from time to time as a result of experience, developments in raw materials, and research and development activities. For additional information, please contact your regional sales representative or MARKAJ directly (Istanbul).