

## MARALKYD 5112 TOPCOAT

PRODUCT DATA SHEET

Fast-drying, anti-corrosive, single-component, semi-gloss, high-build alkyd coating. Developed to provide a durable and smooth semi-gloss finish on steel. Ideal for single-coat application on steel structures mild environments and, when applied to a sufficient thickness, offers excellent corrosion protection during the construction phase. Highly suitable as a refurbishment coating for (waste) containers. When used in combination with an anticorrosive primer, it can be used for long-term protection of steel structures in medium industrial environments. Can be used at 80% humidity.

**Type:** High build alkyd coating

**Usage:** Bridges, warehouses, railings, oil and gas terminals, containers, electrical cabinets, wooden surfaces

### Physical Information:

<b>Finish:</b>	Semi-Gloss (55 GU $\pm$ 5 at an angle of 60°)
<b>Colors:</b>	Standard colours (e.g. RAL)
<b>Volume Solids:</b>	53 % $\pm$ 2 (varies depending on color)
<b>VOC (mixed):</b>	420 g/l
<b>Density:</b>	At 20 °C 1.34 $\pm$ 0.15 kg/l (varies depending on color)
<b>Theoretical Coverage:</b>	At a dry film thickness of 60 $\mu$ m: 8,83 m <sup>2</sup> /l
<b>Heat Resistance:</b>	120 °C (dry load)
<b>Shelf life:</b>	In original well shut packaging 12 months, stored inside at temperatures between 5 °C and 40 °C.
<b>Potlife:</b>	-
<b>Thinner:</b>	Markaj Industrial Thinner

### Processing Data

	Airless spray	Brush-roller	Airspray
<b>Thinner</b>	-	-	-
<b>Amount</b>	5 vol.%	10 vol.%	10-20 vol.%
<b>Nozzle</b>	min. 0.021 inch	n.a	1.2-1.7 mm
<b>Flow pressure</b>	160 bar	n.a	3-5 bar
<b>Dry film thickness</b>	80 $\mu$ m	80 $\mu$ m	80 $\mu$ m

**Cleaning tools:** Immediately after application using thinner - Markaj industrial thinner.

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

### Drying Times

	10 °C	20 °C
<b>Touch:</b>	1 hour	20 mins
<b>Handle:</b>	1.5 hours	1 hour
<b>Recoat:</b>	12 hours	7 hours

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### Surface Preparation

**Steel Roughness** profile 10 – 25 µm

**Untreated Steel** The surface needs to be pretreated according ISO12944 part 4 § 6.2.3. Remove grease, oil, dirt etc. upon cleaning by sandblasting, phosphating or mechanical methods.

### Application Conditions

Application temperature should be in the range of 5°C to 40°C to get the perfect result. Keep application area well ventilated during application and drying, in order to reduce evaporated solvents. This is necessary to acquire good drying conditions and for the good of the applicators' health.

### Environment and health

Harmful and irritating in contact with skin, eyes and by inhalation. In case of eye contact, immediately wash with large amounts of water and contact a medical expert. Do not eat, drink or smoke during application.

### 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.

### Packaging

5kg, 20kg and 25 kg cans.

*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).*