



01.17.6891.112298.D

**OMEGA**  
Boya ve Kimya Sanayi Tic. Ltd. Şti.

## 1231-1201 SYNTHETIC TOP COAT

### Resin Type

Alkyd

### Description

Synthetic Top Coat, is a one-component alkyd resin based **semi gloss** top coat.

### Characteristics

Air-drying,  
Adheres well to the surface,  
Dries very quickly.

### Fields Of Use

**Synthetic Top Coat**, is especially used as a top coat on metal surfaces in steel construction manufacture and on all wooden surfaces used in various industries.

### Application

#### **Before Synthetic Top Coat Application,**

1111-1101	Industrial Primer
1211-1101	Synthetic Primer
1311-1101	Cellulosic Primer
1411-1101	Epoxy Primer
1411-1102	Epoxy Zinc Phosphate Primer
1411-1103	Epoxy Zinc Rich Primer
1411-1104	Epoxy HB Primer
1411-1114	Epoxy Corrosion Inhibition Primer
1412-1201	Solvent-free Epoxy Primer
1421-1104	Epoxy HB Mid Coat
1421-1108	Epoxy Surface Tolerant Mid Coat
1421-1109	Epoxy Miox Primer
1421-1208	Epoxy Surface Tolerant HB Mid Coat
1811-1103	İnorganik Çinko Astar

One of above should be applied on the surface as primer.

If wet-on-wet coating is preferred; minimum 45-minute waiting is required if an air drying primer is chosen or minimum 2-hour waiting is required if an epoxy primer is chosen.

#### **Top Coat Appliation:**

Synthetic Top Coat (1231-1201) is mixed well preferably by drilling motor after its package has been opened. Synthetic Thinner (1251-1401) is added at the recommended rate for ensuring application viscosity of the mixture. (Application viscosity should be adjusted as 19" - 22" / DC4 / 20°C in spraying applications, and as 25" - 40" / DC4 / 20°C in the brush and roller applications.) It is recommended that the top coat should be applied on the recommended primer so that dry film thickness of minimum 50-60 µ. can be obtained.

### Notes

#### **While Application:**

Atmospheric temperature should be between 5 °C -50 °C

Surface temperature should be between 10 °C -30 °C

Relative humidity should be < 85 %

#### **Important Reminders:**

Required ventilation should be ensured in the closed areas for preventing any health problem or fire risk.

When application of multiple coats without wet-on-wet application is required, a light sanding should be made between coats if 60 hours has passed.

OMEGA BOYA VE KİMYA SANAYİ TİCARET LİMİTED ŞİRKETİ

Akse Mh. 547 Sk. No:6 Çayırova / Kocaeli / TÜRKİYE



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Upon completion of the work, all the coating equipment used during application should be cleaned well with 1251-1401 Synthetic Thinner. After application, the surface should not be contacted with water for minimum 36 hours. 24-hour waiting is required before use of the coated surface for ensuring complete curing.

## Technical Info

### Product Code

1231-1201

### Color

Produced by demand.

### Gloss

Semi Gloss

### Density

1,25 ± 0,05 g/ml

### Solid, %

By Mass

72 ± 2

By Volume

60 ± 3

### Drying Time

Dust Dry

30 – 40 min / 20°C

Touch Dry

1 – 1,5 h / 20°C

Montage Dry

24 h / 20°C

Complete Dry

48 Hours

### Mixing Ratio

By Mass

10 Portion Synthetic Top Coat (1231-1201)  
1,5 Portion Synthetic Thinner (1251-1401)  
The mixture gives the application viscosity.

### Application Viscosity

19" - 22" / DC4 / 20°C (spray - airless)  
25" - 40" / DC4 / 20°C (brush - roller)

### Thinner To Be Used

1251-1401

### Application Methods

Brush, Roller, Spraying (spray - airless)

### Recommended Dry Film Thickness

**50 - 60 µ**

### Theoretical Application Area

10 – 12 m<sup>2</sup> / lt ( 50 - 60 µ dry film thickness)

### Package Life

Minimum 1 year for the unopened package.(at room temperature)

### Flash Point

< **42 °C**

### Health and Security Principles

If Synthetic Top Coat is used inconveniently, it may be harmful to the health and may cause fire risk. Therefore, necessary precautions should be taken during storing, carriage and use.



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**General Warnings**

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Use with mask only in the well-ventilated areas and do not inhale.

The aforementioned product properties have been arranged according to the cutting-edge technology results and laboratory test results and they are based on recommendation. The described conditions and dominant local status and other materials to be used should certainly be taken into consideration during use of the product.

For achieving the best results, the convenient devices and application properties should be taken into account.

The information in this document shall remain effective till the next edition. The right to modify the information without notification in advance is reserved.

The modifications in the document (up-to-date version) shall be broadcast on [www.omegaboya.com](http://www.omegaboya.com)