



01.17.6891.112298.D

OMEGA
Boya ve Kimya Sanayi Tic. Ltd. Şti.

1531-1201 POLYURETHANE TOP COAT

Resin Type

Polyurethane Alkyd Resin / Aliphatic Isocyanate

Description

Polyurethane Top Coat; is a fast drying, two-component, alkyd isocyanate based **semi gloss** top coat.

Characteristics

Can be used as flash-off drying,
High resistance to sunlight,
High mechanic and chemical resistance,
Suitable for wet-on-wet application,
Elastic property preferred against impact especially on truck-mounted equipments.

Fields Of Use

Polyurethane Top Coat, can be used easily as a top coat on all kinds of metal and concrete surfaces at manufacturies which the aforementioned properties are expected.

Application

Before Polyurethane Top Coat Application,

| | |
|-----------|----------------------------------|
| 1411-1101 | Epoxy Primer |
| 1411-1102 | Epoxy Zinc Phosphate Primer |
| 1411-1103 | Epoxy Zinc Rich Primer |
| 1411-1104 | Epoxy HB Primer |
| 1411-1114 | Epoxy Corosion 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 Mid Coat |

One of above should be applied on the surface as primer and minimum 3 maximum 48-hour waiting is required.

Top Coat Application:

Polyurethane Top Coat (1531-1201) is mixed well preferably by drilling motor after its package has been opened. Polyurethane Hardener (1531-1501) is added at the recommended rate. Then Polyurethane Thinner (1551-1401) is added at the recommended rate for ensuring application viscosity of the mixture. The mixture gives the application viscosity. (Application viscosity should be adjusted as 17" - 19" / DC4/ 20°C in spraying 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.

If wet-on-wet coating is not preferred, 60 min. waiting is required for the second coat application.

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 72 hours has passed.

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Mixtures should be prepared in the amount complying with the work order and the work should be continued till this mixture is finished completely.

Upon completion of the work, all the coating equipment used during application should be cleaned well with 1551-1401 Polyurethane 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

1531-1201

Color

Produced by demand.

Gloss

Semi Gloss

Density

1,20 ± 0,05 g/ml

Solid, %

By Mass

73 ± 2

By Volume

63 ± 3

Drying Time

Dust Dry

30 – 40 min / 20°C

Touch Dry

1 – 1,5 h / 20°C

Montage Dry

4 h / 20°C

Complete Dry

8 Hours

Mixing Ratio

By Mass

4 Portion Polyurethane Top Coat (1531-1201)

1 Portion Polyurethane Hardener (1531-1501)

1 Portion Polyurethane Thinner (1551-1401)

The mixture gives the application viscosity.

Pot Life

4 h / 20°C

Application Viscosity

17" - 19" / DC4 / 20°C (spray - airless)

Thinner To Be Used

1551-1401

Application Methods

Spraying (spray - airless)

Recommended Dry Film Thickness

50-60 µ

Theoretical Application Area

11 – 13 m² / lt (50 - 60 µ dry film thickness)

Package Life

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

Flash Point

< **35 °C**

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REV NO: 02 1531-1201 Polyurethane Top Coat Sayfa 2/3 FORM NO: 330-RP 0703



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Health and Security Principles

If Polyurethane 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.

General Warnings

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.

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