

1431-1301 PHENOLIC EPOXY TOP COAT

Resin Type

Phenol Novalac Epoxy

Description

Phenolic Epoxy is a glossy epoxy based topcoat which is highly resistant to physical and chemical conditions.

Characteristics

Excellent corrosion and chemical resistance,
Can be applied on all metal and concrete surface,
Resistant to acid, petroleum products, water and solvents,

Fields Of Use

Phenolic Epoxy Top Coat, can be easily applied as a finishing coating on all epoxy primer and intermediate decking systems applied to metal surfaces in ports, oil tanks and industrial facilities, as well as on metal surfaces exposed to chemicals such as acids and bases, on steel surfaces protected by galvanized coating.

Application

Before Solvent-free Epoxy 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 4 maximum 72-hour waiting is required.

Top Coat Application:

Phenolic Epoxy Top Coat (1431-1301) is mixed well preferably by drilling motor after its package has been opened. Epoxy Hardener (1432-1501) is added at the recommended rate. The mixture gives the application viscosity. Using thinner is not recommended at Solvent-free Epoxy systems.

It is recommended that the Phenolic Epoxy Top Coat should be applied on the recommended primer so that dry film thickness of minimum 50 µ. can be obtained.

If wet-on-wet coating is not preferred, 12-hour 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 1451-1401 Epoxy Thinner. After application, the surface should not be contacted with water for minimum 36 hours.

7-day waiting is required before use of the coated surface for ensuring complete curing.

Technical Info

Phenolic Epoxy Top Coat

Product Code

1431-1301

Color

Produced by demand.

Gloss

Glossy

Density

1,45 ± 0,05 g/ml

Solid, %

By Mass 85 ± 2
By Volume 74 ± 2

Drying Time

Touch Dry 1,5 – 2 h / 20°C
Montage Dry 48 h / 20°C
Complete Dry 7 Days

Mixing Ratio

By Mass 9 Portion Solvent-free Epoxy Top Coat (1432-1201)
1 Portion Epoxy Hardener (1432-1501)

Pot Life

5 - 6 saat / 20°C

Application Viscosity

Mixture Viscosity.

Thinner To Be Used

uygulama şekline göre %5-10

Application Methods

Brush, Roller, Spraying (spray - airless)

Recommended Dry Film Thickness

100 µ

Theoretical Application Area

0,350 – 0,400 m² / lt (100 µ dry film thickness)

Package Life

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

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REV NO: 02 1431-1201 Phenolic Epoxy Topcoat Sayfa 2/3 FORM NO: 330-RP 0703



General Warnings

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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