

EBM

Coatings and Chemicals

Technical Data Sheet

EBM EP Epoxy Top Coat Gloss

EP4090

Description : A two component solvent type Epoxy Top Coat, based on high molecular Weight epoxy resin, selected pigments, and special additives, for interior Use recommended for concrete and structural steel, tanks, chemical Pipelines and heavy steel equipment's.

Features:

1. High alkali resistance
2. Outstanding Mechanical properties
3. Good abrasion resistance
4. Excellent resistance to mild Acids and Chemicals

Physicals Properties:

Type of Hardener	:	Polyamide resin
Finish	:	Gloss
Flash Point	:	26 ⁰ C (mixed)
Specific Gravity	:	Comp.A 1.20 kg/L \pm 0.1 (depends on color) Comp.B 0.9 kg/L \pm 0.02 Mix. App 1.05 kg/L + 0.02
Solid by Volume (mixed)	:	70 \pm 2
Coverage rate	:	10 - 12m ² /Liter
Dry film thickness	:	40 - 60 micron
Shelf Life (dry and cool store)	:	One year

Surface Preparation and Application Method:

1. The surface should be dry, free from dirt, oil, grease and powdery material.
2. For old painting, remove the old paint as much as possible by wire brush, blasting or by mechanical tool, remove the rust completely and clean the surface.
3. New Application sand the entire surface by any mean available, then remove the dust completely.
4. Clean the surface with **EBM TH600** epoxy thinner.
5. Apply thin primary coat to be followed by full coat of **EBM EP Zinc Phosphate Epoxy Primer**.
6. For certain thickness additional coats may be applied.
7. Apply one coat of **EBM EP Epoxy Top Coat Gloss**.
8. For concrete apply one coat of **EBM EP Epoxy Sealer Clear** directly over the surface to improve the adhesion for the subsequent paint system to be followed by **EBM EP Epoxy Coat Gloss**.

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Dilution and Application:

Type of thinner	:	TH600
Percentage of thinning	:	0 - 5% by volume
Mixing ratio	:	3: 1 (part A: part B Vol/Vol)
Pot life (after mixing at 30 ⁰ C)	:	4 – 5 hours
For Air less spray gun	:	nozzle orifice 0.015 – 0.018 inch Output pressure 120 – 140 bar
For Air spray gun	:	nozzle orifice 1.0 – 1.5mm Output pressure 2 – 3 bar

EBM EP Epoxy Top Coat Gloss can be used by roller

Drying time (at 30⁰C):

Touch dry	:	2 – 3 hours
Hard dry	:	6 – 8 hours
Second coat	:	8 hours
Full Cure	:	7 days

Subsequent Coats:

NONE

Colors: EBM Industrial Color Card

Packing: (14 Liter drum + 4.5 Liter Gallon Hardener), (3 Liter Gallon + 1 Liter Hardener)

Remarks:

Before Application

- Stir thoroughly
- Allow the mixture to mature for 10 – 15 minutes before application
- Check Temperature above 10⁰C and relative humidity less than 85%

After Application

- Clean all tools used immediately with Thinner TH600.
- Close the cans after used
- Store in dry and cool area

For more information, don't hesitate to contact our Technical Department.

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