

EBM

Coatings and Chemicals

Technical Data Sheet

EBM PU Poly Urethane Top Coat **PU4000** **PU4010** **PU4030** **PU4050**
Matt 10% Gloss 30% Gloss Semi-gloss

Description : A high quality two component Poly Urethane pigmented Matt-Satin Top Coat for all kinds of wooden surfaces, for interior wood application in furniture industry such as panel doors.

Features:

1. Good flow and leveling
2. Good surface hardness
3. Good scratch resistance
4. High build and smooth finish
5. Good Yellowing resistance

Physicals Properties:

Viscosity (Rotothinner at 25 ⁰ C)	:	25 - 30 poise
Finish	:	Matt, 10% Gloss, 30% Gloss, Semi-gloss
Flash Point	:	25 ⁰ C
Specific Gravity (mixed)	:	1.18 ± 0.02 kg/L
Solid by Weight (mixed)	:	55 ± 2
Coverage rate	:	8 – 10 m ² /Liter
Dry film thickness	:	30 - 40 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. Sand the entire surface and remove all the dust.
3. Apply 2 -3 coats of **EBM PU Poly Urethane Primer**, leaving 1 – 2 hours between each coat.
4. Fill holes and cracks with **EBM NC Wood Filler**.
5. Sand the surface completely and remove the dust.
6. Apply 1 – 2 coats of **EBM PU Poly Urethane Top Coat** (Matt, 10%Gloss, 30% Gloss, Semi-gloss).

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Matt

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10% Gloss

PU4030

30% Gloss

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Semi-gloss

Dilution and Application:

Type of thinner	:	TH300
Percentage of thinner	:	20 - 30% volume
Mixing ratio	:	2 : 1 (part A: part B Vol/vol)
Potlife (after mixing at 30 ⁰ C)	:	3 – 4 hours
For Air Spray gun	:	nozzle orifice 1.0 – 1.5mm

output pressure 2 – 3 bar

EBM PU Poly Urethane Top Coat can be used by brush but limited

Drying time (at 30⁰C):

Touch dry	:	3 – 4 hours
Hard dry	:	15 – 16 hours

Subsequent Coats:

NONE

Colors:

EBM Industrial Color Card

Packing:

(20 Liters drum + 10 Liters Drum Hardener) (5 Liters Gallon + 2.5 Liters Gallon 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 TH300
- Close the cans after used
- Store in dry and cool area

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