



GENERAL FINISHES

PO Box 510567 New Berlin, WI 53151
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Water Base

Pre-Cat 181 Urethane

Classification:

Water Based Pre-Catalyzed Urethane Finish

Product Description:

Pre-Cat 181 Urethane water base finish is a highly advanced polyurethane coating. The pre-catalyzed technology is designed to provide maximum performance properties; Pre-Cat 181 Urethane delivers excellent toughness, durability, and water resistance typically associated only with solvent based pre-catalyzed finishes. However, Pre-Cat 181 Urethane is water base, VOC-Compliant, low odor, non-flammable, and will clean-up with soap and water. It is self-sealing, and typically does not require thinning. Formulated to very low VOC's (250 g/l), Pre-Cat 181 Urethane dries very quickly for topcoating.

Application:

Brush: Stir well before application. Use a quality foam brush. **Spray:** Compressed air: 0.40" fluid tip / medium cap; HVLP: 0.051" fluid tip / medium cap ; **Airless:** 0.009" tip. Allow 30 minutes -2 hours dry before sanding (temperature / humidity dependent). 3 - 5 coats recommended.

Product Data:

- **Density:** 8.6 +/- 0.2 lbs.
- **Weight Solids:** 20.5 - 24.5%
- **Volume Solids:** 18.5 - 22.5%
- **Viscosity:** 35 - 45 seconds
- **Method:** Ford #4 @ 77 F.
- **pH:** 7.0 - 8.0
- **V.O.C.:** 250 g/l (2.09 lbs/gal) excluding water
- **% VOC:** 6.7%
- **Storage:** Protect from Freezing

Container:

Ones, Fives and Drums

Sheen:

Satin, Semi-gloss and Gloss

Dry Time 70°F and 70% R.H:

- **Dry:** 10 - 20 minutes
- **To Sand:** 30 minutes -2 hours

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Mixing and Application:

- Catalyst Ratio: None
- Pot Life: Not Applicable
- Shelf Life: 1 year, minimum
- Reducer/Thinner: EF Extender (10 –20%)

Stain & Sealer Recommendation:

Can be used over most water base and solvent base stains. For best results and superior color and adhesion, General Finishes EF Water Base Stains and GF Oil Base Stains are recommended. Allow stains to dry thoroughly before topcoating.

Pre-Cat 181 Urethane may be used over solvent base and water base paints. Allow paints to dry before thoroughly before topcoating.

Pre-Cat 181 Urethane is designed to be self-sealing. However General Finishes EF Sanding Sealer should be used for optimal performance.

Surface Preparation:

Surface must be clean, dry, and free of all contaminants. Sand with 220 grit or finer between coats. Consult product label for additional information.

Application:

- Conventional Spray:
- Air Assisted Airless
- HVLP
- Brush

Cautions:

- Mix container before use
- For industrial use only
- Protect from freezing
- Read MSDS for safety information

• Clean-up Information:

For best results, clean all equipment with General Finishes Brush and Gun Cleaner. General clean-up with soap and water recommended. Rinse thoroughly with clean water.

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