



PRE-CAT URETHANE

The industry leader in water based technology.

Classification:

Water Based Pre-Catalyzed Urethane Finish

Product Description:

Enduro Pre-Cat 181 Urethane water base finish is a highly advanced crosslinked coating. The proprietary, pre-catalyzed technology is designed to provide maximum performance properties, delivering excellent abrasion resistance, toughness, durability, and water resistance typically associated only with solvent based catalyzed finishes & conversion varnishes. However, Pre-Cat Urethane is water base, single package, VOC-Compliant, low odor, non-flammable, and will clean-up with soap and water. It is self-sealing, and typically does not require thinning. Designed for furniture & cabinet applications, Enduro Pre-Cat Urethane dries very quickly for sanding and topcoating.

Application:

HVLP: Use a 0.043" - 0.051" (1.1—1.3 mm) nozzle / tip assembly & #9 Air Cap. Airless & Air-Assisted Spray: 0.008"—0.011" tip. Allow 30 minutes -2 hours dry before sanding (temperature / humidity dependent). Sand with #220 or finer between coats. 2 - 4 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
- VOC: <250 g/l (2.1 lbs/gal) excluding water
- Material VOC: 70 g/l (0.6 lbs/gal) (Actual)
- % VOC: 6.7%
- Theo. Coverage: 400 sq. ft./gal @ 1MDFT
- Pass KCMA: Yes
- Storage: Protect from Freezing

Container:

Quarts, Gallons, 5-Gal Pails and Drums

Sheen:

Flat(<10), Satin(30), Semi-gloss(50) and Gloss (>80)

Dry Time: 70°F and 50% R.H:

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

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Mixing and Application:

- Catalyst Ratio: None necessary. Up to 5% additional Enduro Crosslinker may be added if desired.
- Pot Life: Not Applicable (single package). Up to 6 days with the addition of Enduro Crosslinker.
- Shelf Life: 1 year, minimum
- Reducer/Thinner: EF Extender (10 –20%)
- Accelerator: 6—18% Enduro Accelerator for faster dry time.

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. Allow a minimum 24—72 hours minimum dry time of oil base stains.

Enduro Pre-Cat Urethane is self sealing. Enduro Pre-Cat Sanding Sealer is recommended for optimum performance. Do not use over other sealers or topcoats without consulting with General Finishes. May be used over General Finishes Milk Paint if desired.

Surface Preparation:

Surface must be clean, dry, and free of all contaminants. Sand with 220 micron (320 grit) or finer between coats. Consult product label for additional information.

Application:

- Conventional Spray:
- Air Assisted Airless
- Airless Spray
- 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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