PRODUCT DATA SHEET

EVO®
HYDRO-PURE CLEAR TOPCOAT

DESCRIPTION

HYDRO-PURE CLEAR is a super-premium, single pack, cross-linking waterborne topcoat, that is extremely forgiving and user friendly. It is also easier to apply than most low VOC solvent based coatings, and sprays on clear without the "blue haze" normally associated with clear waterborne coatings. Typical Uses: Kitchen and bathroom cabinetry, architectural millwork, furniture, and shutters. For wood substrates only. For interior use only.

PRODUCT NUMBERS / SHEENS

HPURE-0060	Semi-Gloss
HPURE-0030	Satin
HPURE-0020	Dull
HPURE-0010	Flat

PRODUCT ADVANTAGES

- EVO® Cross-Linking Technology For Improved Durability
- Low Odor- Finish In Shop Or On Site With No Worries Or Smell
- Fast Dry-Dries Like Solvent Based Coatings
- Easier To Apply Than Most Low VOC Solvent Based Coatings, No Bubbles Or Dry Spray.
- No Blue Haze
- Superior Clarity
- Tough And Durable Film
- Meets KCMA Performance Requirements, When Applied to Manufacturer's Specifications
- Very Low VOC
- HAPs Free
- Formaldehyde Free
- Phthalate Free

COATING PROPERTIES

Viscosity: 35-40 #3 ZAHN
Weight Solids: 30.9-31.8%
Volume Solids: 27.8-28.4%
Weight/Gallon: 8.6-8.7 lbs./gal
Coverage: 446.2-454.9 sq. ft. per gallon at one mil dry film thickness.

VOC (reg./coating): 1.48-1.7 lbs./gl. or 177.8-200.8 g/l
VOC (act/material): 0.5-0.6 lbs./gl. or 62.2-72.9 g/l
VOC Ratio: 0.19-0.22 lbs. VOC/lbs. Solids
HAPS Ratio: 0.00 lbs. HAPS/lbs. Solids

Dry Times:
Air Dry: at 78° F, relative humidity 50%
To touch: 8-10 minutes
To handle: 20-25 minutes
To sand/recoat: 35-45 minutes
Stackable: 16 hours
Force Dry:
Flash: 10 minutes
Bake: 30 min @ 110-115˚ F
Cool down: 10 min
Stack: 60 minutes

Relative humidity will affect the speed of drying. Ideal conditions are 75° F or warmer at 50% humidity or less. Dry time will be faster at higher temperatures and lower humidity and equally slower at colder temperatures and higher humidity.

Dry Film Thickness:
Maximum DFT for a complete system must not exceed 4 dry mils.

Shelf Life: 18 months @77˚ F if unopened and stored in a cool dry area. Always rotate stock.
Storage: Protect product from freezing.

PREPARATION INSTRUCTIONS

Reduction/Thinning*: Reduction is not necessary but may be required for certain types of application and equipment. Use water for reduction. Very little water is needed to reduce viscosity, typically no more than 5% by volume.

Retarder: If a slower dry time is desired, or to improve flow and leveling, use SOL-0090 at levels not to exceed 4% by volume (5.1 oz per gallon). Maximum VOC when adding retarder as specified is < 275 grams per liter.

*Thinning this material may result in increasing the VOC levels of this product. Refer to your local regulations before thinning.

Approved Companion Products
HPURE-0100 Sealer
HPUREW-1000 Primer

Note: These numbers represent actual control values on a smooth, sanded substrate. Spray techniques, texture, and sealing as well as film thickness may give different results on actual work, but they may be used for comparison. To the best of our knowledge, the above technical data is true and accurate at the date of issuance but is subject to change without prior notice.

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Substrate preparation:
New wood: Remove any dirt, grease, glue or other contaminants. Moisture content of wood should be 7-9%. Sand to 150-180 grit. Proper sanding of wood is absolutely critical to achieve the best color development and adhesion of the coating to the substrate.
Old wood: Strip old finishes completely and remove all contaminants from the surface. Make sure the surface is dry, sand as required. Finish same as new wood.

Mixing Instructions:
Mix material thoroughly before and during use. Material may be mixed by hand or mechanical agitation at moderate speed.

Application:
Using conventional, HVLP, airless, or air assisted equipment, apply this product at 3-4 wet mils per coat. Let dry a minimum of 35-45 minutes. Sand with 280-320 grit, no-fill sandpaper and remove sanding dust with clean compressed air. This product must be sanded in between coats to ensure proper adhesion.

Typically we recommend a coating system comprised of 1 coat of HPURE-0100 sealer applied at 3-4 wet mils per coat and 1-2 coats HPURE-00XX applied at 3-4 wet mils. If used as a self-seal system we recommend 2-3 coats of HPURE-00XX applied at 3-4 wet mils per coat. **Maximum dry film thickness of the complete system must not exceed 4 dry mils.**

This product must not be polluted with oil, solvent based paint or the like and should not be applied to metal surfaces. Application and drying conditions must be at temperatures of 60°F or above and at a humidity of less than 65%. Increased air flow and/or drying temperatures, including the use of infrared lighting for cure will significantly decrease dry times.

Recommended Tip Sizes:

Conventional Air	1.8-2.0mm
HVLP	1.9-2.2mm
Airless	10-15 thousandths
Air Assisted Airless-	11-15 thousandths

Precautions:
These products are intended for Professional use only. Do not proceed if you are planning on mixing with other finishing systems or other manufacturer's products. Gemini will not be held liable for finish failures due to the improper use of our products or deviation from our finishing recommendations

Equipment:
All equipment used with this product must have plastic, stainless steel, or Teflon fluid passages and wetted parts

Containers:
We supply this material in either a lined or plastic container. All containers used in conjunction with storage and/or application of this product should be stainless steel or plastic to avoid rust.

Clean up:
Use water to clean all equipment when material is in a liquid stage. Use 2:1 mixture of water and Butyl Cellosolve (SOL-0061) to remove semi-dried or dried coating. Dispose of in accordance with Federal, State, and Local regulation regarding pollution.

Care and cleaning of this finish: Use a mild dishwashing liquid and a damp cloth to remove food, grease, and other residue. Wipe dry. Do not use cleaners that contain ammonia, bleach, or abrasives as this may damage the finish.