Product Data Sheet

ECLNAT Clear Self-Seal Topcoat

Description

ECLNAT is a waterborne self-seal product which gives the appearance of a natural unfinished surface. For professional use only. For wood substrates only.

Product Numbers/Sheens

- ECLNAT Clear Self Seal Topcoat

Product Advantages

- Superior Clarity
- Non-Yellowing
- Smooth Touch
- Great Pore Definition
- Class A rating for Flame Spread Index and Smoke Developed Index
- Meets TSCA regulations
- Formaldehyde Free

Approved Companion Products

- ColorTools™ Stains

Coating Properties

Weight Solids: 21% +/- 1%
Volume Solids: 18% +/- 1%
Weight/Gallon: 8.60 lbs./gal
Viscosity: 45" Zahn #3

Coverage: 289 sq. ft. per gallon at one mil dry film thickness.

VOC (coating): 2.09 lbs./gal (250 g/L)
VOC (material): 0.52 lbs./gal (62 g/L)
VOC Ratio: 0.29 lbs. VOC/lbs. Solids
HAPS Ratio: 0.29 lbs. HAPs/lbs. Solids

Dry Time Air Dry: at 68^0 F, relative humidity 50%
Dust Free: 30-40 minutes
To Touch: 60-70 minutes
Dry to Sand and Recoat: 4 hours
Stackable: 8-12 hours

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 2.7 dry mils.

Pot Life: 6 hours

Shelf Life: 24 months from date of manufacture @ 77˚F if unopened and stored in cool dry area. Always rotate stock.

Storage: Protect product from freezing. Keep in a fresh and well-ventilated place. Do not exceed 77-82^0F.

Note: These numbers represent actual control values on a smooth 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.

Preparation Instructions

Catalyzation: catalyze with EWH5 at 10% by weight or volume.

Reduction
Thinning: Thin with water up to 10% by weight or volume.

Retarder: No retarder is recommended.

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

Tinting: Do NOT Tint

Flame Spread Rating:
This coating has been tested by an independent laboratory in accordance with the ASTM E84-20 standard test method for surface burning characteristics of building materials evaluating both flame spread and smoke developed indexes. This coating received a Class A rating for both FSI and SDI with is the highest (best) rating possible when using it as a self-sealing system.

For Additional Information & Safety Disclaimers See pg. 2

ECLNAT Clear Self-Seal Topcoat

(Continued)

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.

Application Instructions

Application-

When coating oak or chestnut it may be necessary to apply a solvent borne insulating agent first due to tannins present in the wood. Applying this insulating agent may increase the overall sheen of your project. ECLNAT does not change the overall color of the substrate. Do not apply at temperatures below 59^0 F. Do not apply when relative humidity is more than 85% without moving air.

Recommended to apply 3 coats (sanding between coats) at 3 – 5 wet mils per coat.

This product is not designed for high moisture areas.

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.

Safety Data Sheets (SDS) are available from your Gemini sales or customer service representative. Prior to use of this product, obtain and review the Safety Data Sheet for health and safety information. Read and observe all precautionary notices on container labels.

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

Containers:
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 liquid stage. Use 80/20 mixture of water and Butyl Cellosolve (SOL-0061) to remove semi-dried coating. Clean with Acetone to remove dried coating. Dispose of in accordance with Federal, State, and Local regulation regarding pollution.

The following supersedes any provision contained in the forms, letters and papers of your company. This product is designed and intended for professional application only. All products should be thoroughly tested under application conditions prior to use. The information contained herein is believed to be reliable. **HOWEVER, GEMINI MAKES NO WARRANTY CONCERNING THIS PRODUCT, WHETHER EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** UNDER NO CIRCUMSTANCES SHALL GEMINI BE LIABLE FOR SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR ANY OTHER DAMAGES FROM ALLEGED NEGLIGENCE, BREACH OF WARRANTY, STRICT LIABILITY, OR ANY OTHER LEGAL THEORY ARISING OUT OF THE USE OR HANDLING OF THIS PRODUCT. THE SOLE REMEDY OF THE BUYER AND THE SOLE LIABILITY OF GEMINI FOR ANY CLAIMS SHALL BE LIMITED TO THE BUYER'S PURCHASE PRICE OF THE PRODUCT WHICH IS THE SUBJECT OF THE CLAIM OR THE AMOUNT ACTUALLY PAID FOR SUCH PRODUCT, WHICHEVER IS LESS. TECHNICAL ADVICE FURNISHED BY GEMINI SHALL NOT CONSTITUTE AN EXPRESS WARRANTY, WHICH IS EXPRESSLY DISCLAIMED. ALL TECHNICAL ADVICE GIVEN IS ACCEPTED AT THE RISK OF THE BUYER. **CAUTION:** DANGER! FLAMMABLE! VAPORS MAY CAUSE FLASH FIRE. VAPOR HARMFUL. HARMFUL OR FATAL IF SWALLOWED. INJURIOUS TO EYES. KEEP OUT OF REACH OF CHILDREN! BEFORE USING THIS PRODUCT, it is essential that the "Material Safety Data Sheet" describing this product as well as the "Product Label" be reviewed. If your company does not have such information or has any questions, contact the manufacturer.