Chemcraft®

A Great Finish is Only the Beginning

# ES Sealer II Pre-Cat Clear Sealer
390-001

**Product Code:**
390-001 E.S. Sealer I

| | |
|---|---|
| **VISCOSITY:** | Zahn #2 signature cup 22 sec at 25°C |
| **FLASH POINT:** | 12°C (53°F) |
| **DENSITY (Kg/L):** | 0.93 |
| **SOLID (% by weight):** | 22% |
| **SOLID (% by volume):** | 15% |
| **SHELF LIFE (months):** | 6 |

**Product Description:** E.S. Sealer is a one component, pre-catalyzed sealer designed for all types of woods for interior use. It has a rapid dry and sands easily to a smooth finish.

**Uses:** The material is used for an open or semi open grain finish on all types of wood for interior use.

**Environmental Data (as supplied):**

| | |
|---|---|
| **VOC less exempt lb/gal:** | 6.06 |
| **VOC lb/gal:** | 6.06 |
| **VOC less exempt g/l:** | 726 |
| **VOC g/l:** | 726 |
| **VOC lb/lb Solid:** | 3.50 |
| **VHAPs lb/lb Solid:** | 1.65 |

**See individual compliance sheets for specific data**

**Application Data:**

| | |
|---|---|
| **SUGGESTED USES:** | Pre-Catalyzed Sanding Sealer |
| **MIXING RATIO:** | 3% 999-017 if catalyzed |
| **POT LIFE:** | 8 hours if catalyzed |
| **APPLICATION VISCOSITY:** | Zahn #2 signature cup 18-22 seconds |
| **REDUCER:** | 121-802 or 121-803 |
| **RETARDER:** | 100-119 or 100-137 |
| **CLEAN-UP SOLVENT:** | Lacquer Thinner |
| **APPLIED FILM THICKNESS:** | 3-5 wet mils |

# Directions for Use

**Surface Preparation:**

Wood substrate should be sanded with 120, 150 or 180 grit paper prior to staining or coating. Stain systems under acid containing coatings should be acid stable.

**General information:**

Agitate material thoroughly before use. This product must be agitated thoroughly at all times to ensure consistency.

Apply one or two coats at 2-5 mils wet and allow 30-45 minutes dry at 20°C prior to sanding and applying next coating. Sand with 280/320 grit paper before topcoating or re-coating and ensure next coat is applied within eight hours of sanding E.S. Sealer 390-001.

390-001 may be topcoated with pre-catalyzed topcoats such as 355-XXX and 431-XXXX.

Maximum film build of 390-001 is not to exceed 2 mils dry. Maximum build of the total system is not to exceed 4 mils dry.

THE CUSTOMER IS RESPONSIBLE FOR FOLLOWING THE RECOMMENDED APPLICATION PROCEDURES. FAILURE TO ADHERE TO THE RECOMMENDATIONS GIVEN IN THIS DATA SHEET WILL LIKELY RESULT IN UNSATISFACTORY FILM APPEARANCE OR FILM FAILURE. THE COMPLETE COATING SYSTEM SHOULD BE CHECKED FOR REQUIRED PROPERTIES PRIOR TO THE START-UP OF PRODUCTION.

**Drying Times:**

| | **At 20°C (Minimum Required)** | **At 50°C (Minimum Required)** |
|---|---|---|
| **Tack Free Time:** | 10-15 minutes | Flash off before entering oven |
| **Dry to Sand:** | 30-45 minutes | 15-20 minutes |
| **Dry to Stack:** | 2 hours | 30 minutes |

Note: Dry times are greatly affected by film build, porosity of substrate, air movement as well as heat and humidity. Temperatures are based on actual board temperature. This may vary depending on length of time for boards to reach these temperatures. Minimum curing temperatures of 64°F/18°C must be maintained throughout the curing cycle to achieve the film integrity as stated in product features.

These products are designed for industrial use only. AkzoNobel views safety as a top priority. Please refer to Material Safety Data Sheet for information on the safe use of this product.



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