



**WOOD FINISHING SYSTEMS**

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# Product Information (PI) Sheet

**Product:** EuroBild Epoxy Sealer

|                 |                                |                                |                                 |  |
|-----------------|--------------------------------|--------------------------------|---------------------------------|--|
| <b>Code(s):</b> | <b>EU35779</b><br>Epoxy Part A | <b>EU35977</b><br>Epoxy Part B | <b>EU35797</b><br>Epoxy Reducer |  |
|-----------------|--------------------------------|--------------------------------|---------------------------------|--|

**Description:** **Epoxy Sealer** is a clear, very high solids, two-component formulation, with exceptional resistance to water, moisture, solvents, and household chemicals. **Epoxy Sealer** features a HAPS free formulation with no formaldehyde, meeting world E-1 standards for a better work environment.

**Uses** **Epoxy Sealer** provides excellent film build with clarity and was developed for interior wood surfaces such as commercial table tops, wood millwork, kitchen and bathroom cabinets, dormitory, household and office furniture, paneling and display fixtures. EuroBild Epoxy Sealer can be used with any catalyzed solvent system. Perfect for exotic woods when full fill and little shrink back are required on interior wood surfaces. For a water clear finish over white or pastel stains use Krystal.

|  |  |
|--|--|
| <b>Physical Properties (Packaged)</b>  |  |
| <u>Base component (Unmixed) @ 77 °F / 25 °C</u>  | EU35779  |
| Specific Gravity   | 9.10 ± 0.2                                     |
| Viscosity (25°C, Centipoises)  | 200 ± 100 cps                                  |
| % Weight Solid / % Volume Solid  | Wt Solids 87.0 ± 2.0% / Vol. Solid 83.0 ± 2.0% |
| Color  | Light Yellow                                   |
| Packaged VOC   | 145 ± 5 g/l, 1.21 lb/gal                       |
| <u>Hardener (Unmixed) @ 77 °F / 25 °C</u>  | EU35977  |
| Specific Gravity   | 8.5 ± 0.2                                      |
| Viscosity (25°C, Centipoises)  | 450 ± 100 cps                                  |
| % Weight Solid / % Volume Solid  | Wt Solids 68.0 ± 2.0% / Vol. Solid 70.0 ± 2.0% |
| Color  | Light to Pale Yellow                           |
| Packaged VOC   | 320 ± 5 g/l, 2.66 lb/gal                       |
| <u>Blended Material (Mixed) @ 77 °F / 25 °C</u>  | No Reduction, 2:1 Ratio for A:B                |
| Specific Gravity   | 8.90 ± 0.2                                     |
| Viscosity (25°C, Centipoises)  | 300 ± 100 cps                                  |
| % Weight Solid / % Volume Solid  | Wt Solids 80.0 ± 2.0% / Vol. Solid 78.0 ± 2.0% |
| Color  | Light Yellow                                   |
| Mixing Ratio (A: B) By Volume  | 10 Parts A: 5 Parts B (2:1 Ratio)              |
| Blended Material VOC   | 203 g/l, 1.69 lb/gal                           |
| Sheen (60° Gloss-o-meter)  | High Gloss (80+)                               |
| Pot-life of the Blend Material   |  |
| Material @ 86 °F (30 °C)   | 25 ± 10 Minutes                                |
| Material @ 68 °F (20 °C)   | 35 ± 10 Minutes                                |
| Material @ 50 °F (10 °C)   | 45 ± 10 Minutes                                |
| Theoretical Coverage at 1 Mil Dry:<br>(Coverage figures DO NOT INCLUDE spray loss. Also allow for surface irregularities and porosity of wood surface to be finished.) | 1255 ± 10 sq. ft. per gallon                   |
| Cure Time (Sealer Only)  | Ambient Cure and 1 Week Cure Time              |
| Cure Time (Sealer and Topcoat)   | Ambient Cure and 3 Week Cure Time              |
| Photo-Chemically Reactive  | No   |
| Flash Point (PMCC)   | 90 °F (32 °C)                                  |

## Surface Preparation

|                  |  |
|------------------|--|
| <b>New Work:</b> | Remove any dirt, grease or other contamination and sand as required. If desired, apply WoodSong II stain as directed by the specific M.L. Campbell Product Information (PI) Sheet, prior to finishing. |
| <b>Old Work:</b> | Strip old finishes completely and remove all contaminants from the surface. Make sure surface is dry. Finish as new work.  |

## Mixing & Reduction

**Epoxy Sealer Part A** has been developed to cross link with the **Epoxy Sealer Part B** and the Mixing ratio is 2:1 OR two parts of **Epoxy Sealer Part A** to one part of **Epoxy Sealer Part B**. Reduction is not required for spray application, however 5% reduction can be used for certain equipment. Once mixed and reduced, allow Epoxy Sealer to sit for 5 minute induction period before application. It is important to plan ahead; the pot-life (usable time) is around 20 ± 5 minutes after induction period, depending on humidity and atmospheric conditions. Product viscosity will rise as pot life expires. Make sure you clean all equipment prior to end of pot-life.

## Application Procedure

Epoxy Sealer is very high solids and provides excellent film build per coat. Light coats are recommended on first coat(s) to help eliminate bubble entrapment. Open grain species and exotic woods generally require two light first coats to help eliminate bubble entrapment in Epoxy Sealer.

Apply 1<sup>st</sup> coat of Epoxy Sealer at 2-3 wet mils, in between 2-3 hours (without sanding), apply 2<sup>nd</sup> coat of Epoxy Sealer at 2-3 wet mils. In between 2-3 hours dry, apply additional coat at 4-6 wet mils. Additional coats may be applied using same dry time schedule, if required for build. If waiting longer than 3 hours dry between coats, allow Epoxy Sealer to dry for at least 4-6 hours, scuff sand with 320-grit sandpaper (or wet sand using scotch brite and water and dry the surface completely) before applying next coat. Allow Epoxy Sealer to dry for 24-48 hours before scuff sanding and applying topcoats to help prevent coating shrink back. "Dry to sand" time varies depending on humidity, temperature, number of coats, etc.

## Equipment Clean Up

- Use Epoxy Sealer Reducer EU35797 or Acetone to clean up all equipment.
- Dispose of dirty solvent and cleaning rags in a safe and approved manner.
- Solvent or lacquer-soaked rags should be stored in water-filled, closed containers prior to disposal.

## Drying Times (at 77° F or 25° C)

|                      |   |
|----------------------|---|
| <b>Dry to Touch:</b> | 2-3 hours   |
| <b>Sanding Dry:</b>  | 5-6 hours (Wet sanding after 4 hours, if require) |
| <b>Stacking Dry:</b> | Minimum 24 hours                                  |

## Packaging/Shipping

**Available Units:** Gallons (A), Quarts (B), F-Style Gallons (Reducer)

## Shelf Life and Storage

- Store in cool dry areas in original sealed containers. Do not store around any source of flame or sparks.
- Spills should be cleaned up with non-sparking tools and inert absorbent material. Package life is 1 year.

### DOT Classification

|                  |           |        |  |  |
|------------------|-----------|--------|--|--|
| Flammable Liquid | Red Label | UN1263 |  |  |
|------------------|-----------|--------|--|--|

### B/L Description

|                     |       |        |       |      |
|---------------------|-------|--------|-------|------|
| EU35779,<br>EU35797 | Paint | UN1263 | 3     | PGII |
| EU35977             | Paint | UN3469 | 3 (8) | PGII |

### Caution

- **THESE PRODUCTS ARE DESIGNED FOR SHOP APPLICATION AND PROFESSIONAL USE ONLY.**
- Use only after all safety information is understood.
- Refer to the Material Safety Data Sheet (MSDS) for additional information.

### Testing

Due to the wide variety of substrates, surface preparation methods, application methods, and environments, customers should test the complete system for adhesion and compatibility under their conditions prior to full-scale application.

### Notes

The information, rating, and options stated here pertain to the material currently offered and represent the results of tests believed to be reliable. However, due to variations in customer handling and methods of application that are not known or under our control, M.L. Campbell cannot make any warranties as to the end result. *Thank you for using M.L. Campbell Wood Finishing products.*