

Poly-Soy™

Protective Clear Finish TopCoat

ecoprocoat™
The Sustainable Coatings Brand

Product Data Sheet

HIGH PERFORMANCE BIO-BASED TOPCOAT

Poly-Soy™ Protective Clear Finish TopCoat is an interior/exterior high performance bio-based finish that provides a penetrating seal while leaving a thin topical barrier to help enhance substrate protection. Poly-Soy is made from an industrial grade soy ester resin technology with a vegetable based urethane for a rapidly renewable resource material that is able to replicate petroleum based polyurethane coatings without the odor or toxicity. It provides a superior protective satin or gloss finish to help resist substrate damage caused by stains, moisture, and light commercial foot traffic.

Poly-Soy is the preferred environmentally compliant solution that delivers safe application and fast return to service without toxic offgassing. Use Poly-Soy over decorative concrete, wood decks, wood floors, architectural features, cabinetry, furniture, integral colored substrates, or painted surfaces to provide a protective and beautiful topcoat finish.

When to Choose PolySoy?

Whenever a substrate is exposed to elements that contribute to staining or premature wearing, a penetrating seal and topcoat will provide an additional sacrificial barrier that extends the life and beauty of the substrate. Many applications also require a sheen rather than a natural finish to match its intended use and desired appearance that can only be achieved by a topcoat film. PolySoy's unique characteristics also allows it to be used as a glaze or faux medium when mixed with universal colorants to provide a one step color and seal application.

PERFORMANCE FEATURES:

- ◇ Fast Return To Service
- ◇ Virtually Odorless
- ◇ Ultra Low VOC < 25 g/l
- ◇ Non-Flammable
- ◇ Non-Hazardous
- ◇ Interior/Exterior Use
- ◇ Increases Surface Durability
- ◇ Water Resistant
- ◇ Stain Resistant
- ◇ Enhances Substrate Beauty

ENVIRONMENTAL FEATURES:

Poly-Soy is an eco-friendly alternative to toxic solvent content topcoat systems. It is the only polyurethane alternative that contains over 25% bio-based and recycled content. It does not contain hazardous ingredients, exempt solvents, nor does it contribute to lingering toxic odors, allowing for a safer installation and safer return to service for building occupants.

This innovative bio-based chemistry may green builders meet LEED criteria for low-emitting materials, renewable resource material, recycled content and more. It also enables woodworking and other product manufacturers to reduce hazardous material inventory and to comply with the increasing VOC regulations where durable clear topcoat finishes are required.

AVAILABLE AT:

PROTECTIVE TOPCOAT APPLICATIONS:

- ◇ Decorative Floors
- ◇ Concrete Countertops
- ◇ Painted Surfaces
- ◇ Plaster Walls
- ◇ Cabinetry
- ◇ Artistic Features
- ◇ Wood Decks
- ◇ Furniture
- ◇ Wood Floors

POLY-SOY PACKAGING:

Poly-Soy will yield approximately 400 to 600 square feet per gallon depending on the porosity of the substrate and application method used.

- 1 Gallon Can/4 Case Pack
- 5 Gallon Pail
- 55 Gallon Drum

TECHNICAL DATA:

Color: Milky White (Dries Clear)

Sheen: Satin or Gloss

VOC: < 25 g/l

Odor: Very Mild. Virtually Odorless

Bio-Based Content: > 25%

Recommend Coats: Standard- 2 Coats

Installation Temperature: 40° F (4 C) to 120° F (49 C)

Relative Humidity: 85% maximum, below 80% for best results.

Dry to Touch: 30 Min to 1 Hour - To Topcoat: 2-4 Hours

Open To Foot Traffic: 12 Hours Light, 24 Hours Normal

Full Cure: 5 to 7 Days (Depending on environmental conditions)

APPLICATION:

Apply by HVLP Sprayer, Fine Tip Airless Sprayer, 18" T-Bar Heavy Weight Applicator, 16" NylFoam Applicator, MicroFiber Mop, Lamb-swool Applicator, or Brush. Apply 2 coats for best results based upon surface porosity.

Review the latest installation guide for tips and information which may be downloaded at www.ecoprocoat.com. Surfaces must be porous, clean, dry, and free from all bond breaking contaminants such as dirt, dust, debris, oils, grease, moisture, tannins, efflorescence, etc.

Perform a small test area for compatibility and bonding prior to full project installation in an inconspicuous area. Since full cure is typically 5-7 days, you are simply looking for desired appearance and good signs of penetration that will not remove easily when wiping with a clean cloth after 2-4 hours. When you are satisfied with the results, proceed to full system installation.

Apply Poly-Soy™ in thin, even coats using an applicable installation tool. Do not allow puddling or oversaturation to avoid improper curing. Thinner is better to allow proper penetration and drying. Allow 2 - 4 hours intercoat dry time, depending on environmental conditions. Higher humidity and cooler temperatures may take longer than the standard intercoat times. Dry time may be accelerated by using fans to circulate the air for indoor applications.

Wood Finishing: Wipe and remove all stain residue prior to application. You may dilute with up to 10% water if necessary to achieve desired flow. Apply a thin coat and allow to dry 2-4 hours. Sand between coats for optimum high quality finish.