

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 or exterior high performance bio-based topical coating system that seals and protects concrete, wood, plaster, stucco, metal, and more. Poly-Soy™ is made from an industrial grade soy ester resin technology, a rapidly renewable resource material, that is able to replicate oil modified polyurethane coatings without the odor or toxicity. It is a self leveling coating system that provides a superior protective satin or gloss finish to help resist substrate damage caused by abrasion, weather, stains, moisture, and commercial foot traffic.

Available in Satin or Gloss Finish. Poly-Soy™ is the preferred environmentally compliant solution that will effectively replace polyurethane and lacquer products delivering safe application, fast return to service, and no 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 durable and beautiful finish.

Why Use A Durable TopCoat System?

Whenever a substrate is exposed to elements that contribute to staining or premature wearing, a durable topcoat system will provide an additional barrier that extends the life and beauty of the substrate. In addition, many substrates or treated materials require a protective shield to lock-in components that may potentially bleed or is more susceptible to damage. Most porous substrates can additionally benefit from installing a penetrating sealer such as Acri-Soy Sealer to provide integral penetrating protection, then applying Poly-Soy™ for topical surface protection. This type of double protection is most beneficial with outdoor or commercial traffic decorative concrete applications.

PERFORMANCE FEATURES:

- ◇ Bonds To Most Surfaces
- ◇ Replaces Polyurethanes
- ◇ Replaces Lacquers
- ◇ Virtually Odorless
- ◇ Ultra Low VOC < 25 g/l
- ◇ Non-Flammable
- ◇ Non-Hazardous
- ◇ Interior/Exterior Use
- ◇ Self Leveling
- ◇ Significant Labor Savings
- ◇ Increases Surface Durability
- ◇ Abrasion 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 or lacquer alternative that contains over 25% bio-based content. It does not contain hazardous ingredients 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 helps green builders meet LEED criteria for low-emitting materials and renewable resource material content. It also enables woodworking and other product manufacturers to reduce hazardous material inventory and to comply with the increasing VOC regulations

AVAILABLE AT:

PROTECTIVE TOPCOAT APPLICATIONS:

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

ADHERES TO:

- ◇ Concrete
- ◇ Wall Boards
- ◇ Tiles
- ◇ Wood
- ◇ Coatings
- ◇ Laminates
- ◇ Metal
- ◇ Vinyl
- ◇ Fabric

POLY-SOY PACKAGING:

Poly-Soy will yield approximately 400 to 500 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, Premium- 3+ 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 [high volume, low pressure] sprayer, 1/2" or 3/8" nap roller, 18" T-Bar applicator, 16" NylFoam pad applicator, or foam pad brush. 2 coats standard, 3+ coats for enhanced protection or sheen.

Surfaces must be clean, dry, and free from all contaminants such as dirt, dust, debris, oils, grease, etc. If applying over new coating systems, follow all manufacturer dry time requirements prior to applying Poly-Soy™.

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

Apply Poly-Soy™ in thin, even coats using an applicable installation tool. Avoid puddling or oversaturation to avoid improper curing. Allow 2 - 4 hours intercoat dry time, depending on environmental conditions. Higher humidity and cooler temperatures may take longer than the standard intercoat times. Lower limits may be reached by using fans to circulate the air for indoor applications.