

Product Data Sheet

BIO-BASED NATURAL WOOD STAIN

TimberSoy™ is the world's leading bio-based penetrating wood stain technology that outperforms all other wood stain products. It utilizes an industry changing patented soy ester dispersion technology that is made from rapidly renewable materials and contains absolutely no hazardous ingredients, TimberSoy™ is the preferred eco-friendly choice among professional green builders and woodworking professionals worldwide.

Sustainable. Durable. Beautiful.

TimberSoy™ contains over 60% bio-based content, 100% solids plant-based pigments, and does not produce hazardous offgassing, TimberSoy™ is truly the leader in sustainable wood stain technology meeting environmental air quality standards and many Green Building LEED criteria such as low emitting materials and rapidly renewable material content.

The natural plant oils from our advanced soy dispersion technology effectively drives our specially engineered natural pigments deep into the wood surface. This technology replicates petrochemical or solvent based systems, but without the toxicity or hazards. By using nature's own chemistry to preserve and colorize wood surfaces, TimberSoy™ delivers superior durability against UV, abrasion, and weathering.

The natural oils of TimberSoy™ has the ability to replenish and preserve wood surfaces by penetrating into the growth rings and continues to offer protection all year around. The natural revitalization of wood surfaces creates a beautiful, rich look without losing grain characteristics. When you seal with Acry-Soy Penetrating Sealer or install our protective polyurethane alternative topcoat Poly-Soy, you can create the desired finish and performance objectives efficiently and safely.

PERFORMANCE FEATURES:

- ◇ Solvent Free
- ◇ Non-Hazardous
- ◇ Non-Flammable
- ◇ Non-Film Forming
- ◇ Ultra Low VOC < 25 g/l
- ◇ Virtually Odorless
- ◇ UV Resistant
- ◇ Interior/Exterior Use
- ◇ Fast Return to Service
- ◇ Lowest Per Sq.Ft Cost
- ◇ Preserves & Protects
- ◇ Extends Wood Life
- ◇ Delivers Natural Beauty
- ◇ Mold & Mildew Resistant

ENVIRONMENTAL FEATURES:

TimberSoy™ is an eco-friendly alternative to conventional wood stain products. It is the only stain system that contains over 60% bio-based content and meets all environmental air quality standards. It does not contain hazardous ingredients nor does it contribute to lingering toxic odors, allowing safer installation and safer return to service for building occupants.

This innovative bio-based chemistry helps green builders meet Green Building LEED criteria for low-emitting materials and renewable resource material content. It also provides for a safer construction site as there are no flammable or combustible ingredients, and no hazardous reporting ingredients.

AVAILABLE AT:

TIMBERSOY™ APPLICATIONS:

- ◇ Wood Decks
- ◇ Wood Floors
- ◇ Wood Beams
- ◇ Log Homes
- ◇ Cabinetry
- ◇ Spas & Saunas
- ◇ Furniture
- ◇ Fences
- ◇ Wood Art

CSI Divisions:

Division 9 - Finishes, 09 9300 Staining & Transparent Finishing; 09 9400 Decorative Finishing

LEED Green Building Rating System:

Materials & Resources:

Building Reuse, MR Credit 1

Local/Regional Materials, MR Credit 5

Rapidly Renewable Materials, MR Credit 6

Indoor Environmental Quality:

Low-Emitting Materials, EQ Credit 4

TIMBERSOY™ PACKAGING:

TimberSoy will yield approximately 400 to 600 square feet per gallon depending on wood species and application method used.

- 1 Quart Can/4 Case Pack
- 1 Gallon Can/4 Case Pack
- 5 Gallon Pail

TECHNICAL DATA:

VOC: < 25 g/l

Odor: Very Mild. Virtually Odorless

Bio-Based Content: > 60%

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 Hr depending on ambient temperature.

Dry to TopCoat: 4-6 Hours (must be dry and tack free)

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, 16" NylFoam pad applicator, 6" NylFoam trim pad applicator, B&D Stain Stick, or wiping cloth. Do not use a roller unless experienced with the use of TimberSoy™. Other applicators and methods may be used based upon the skill level and thorough understanding of the product.

Obtain the TimberSoy™ installation guide for full application details. Always test a small area prior to full project deployment to ensure proper surface preparation and color selection. The more porous the wood species, the darker the stain color will appear. Sample jars are available for purchase from your selected dealer. These initial steps will help determine the level of surface preparation or stain color modifications that may be necessary to achieve your desired results.

Apply Acry-Soy Satin or low Gloss Sealer for a penetrating seal that repels moisture and stains for longer lasting protection of your new TimberSoy stain. If your surface is subject to foot traffic, high use or exposed to excessive wear, you should apply topical protection to provide a durable barrier for enhanced surface protection. For this enhanced topcoat protection choose our eco-friendly professional grade Poly-Soy Satin or Gloss Topcoat Finish.