

# LSS

## APPLICATION GUIDE & DATA

**Wood Stain** – A premium grade, eco-safe penetrating stain for smooth wood, exterior wood, interior wood, & architectural surfaces – available in 70+ customizable colors across the Micro-Tint, Transparent, Semi-Transparent, and Semi-Solid series.

LSS is a high-performance, plant-oil-based, waterborne, penetrating wood stain formulated specifically for smooth milled exterior siding and interior architectural wood surfaces such as beams, trim, and paneling. Designed for professional results in both residential and commercial settings, LSS provides outstanding UV resistance, moisture protection, Class B fire resistance (ASTM E-84) and color longevity without compromising the natural beauty of the wood grain.

LSS has a rapid first coat absorption rate of 10 minutes (under ideal conditions) enabling quick turnaround for prestaining machines or dynamic operations.

While LSS performs exceptionally well on its own, prior to staining, apply Internal Wood Stabilizer (IWS) or Ember Guard (EG) beneath LSS for enhanced pigment durability, dimensional stability, rot prevention, pest deterrence, and Class A fire resistance (EG).

For high-performance mass timber applications: See Mass Timber Application Guide.

For Log Homes: See Log Home Application Guide.

## PRODUCT FEATURES

### Durability

Professional durability on smooth wood

### Penetrating

10 minute absorption time deep-penetrating stain\*

### Sustainable

No petroleum derivatives, 2-3 LEED credits, and 34 g/L VOCs

### Fire Resistance

Class B ASTM E-84 Fire Resistance (FSI = 35 & SDI = 10)

### Customizable

Available in 70+ tones with custom color matching available

### Multi-Use

Protects against UV degradation, moisture, and mildew

### Interior & Exterior Use

Durable & safe for both interior and exterior substrates

### Easy Application

Compatible with spray/brush application & easy water cleanup

### Compatible with Treatments

Engineered to work seamlessly with our other coatings

### Easy Maintenance

Recoatable without sanding if maintained



## APPLICATION & USE CASES

### 1

### Primary Applications :

LSS is intended for raw or properly prepped wood surfaces. Not intended over surfaces previously coated with non-penetrating acrylics, latex, solid paints, or oil-based products still resisting water. For optimal results, use LSS on raw wood surfaces (kiln-dried or air dried, moisture content <14%).

### 2

### Recommended Pairings :

- EG + LSS for Class A fire resistance (ASTM E-84), moisture resistance, longevity, and aesthetic durability
- IWS + LSS for superior stability, moisture resistance, longevity, and aesthetic durability
- Crystal Urethane + LSS for wipeable high touch interior surfaces

### IDEAL FOR:

- ▶ Smooth Sawn: cedar, fir, pine, juniper, redwood, etc.
- ▶ Mass timber; commercial, residential
- ▶ Interior wood surfaces: beams, trim, ceilings, lattice, feature walls, etc.
- ▶ Exterior wood surfaces: beams, trim, siding, wood structures, etc.
- ▶ Plywood, OSB, and other specialty wood substrates



# APPLICATION GUIDE

## SURFACE PREPARATION

### 1 New Wood :

Sand to 60-120 grit to remove mill glaze if necessary. Remove dust and debris with an air compressor or fine broom.

### 2 Aged Wood :

Clean with Clean & Brite to remove mildew and dirt, or Strip & Brite for heavy weathering or to remove oil-based stains. Once dry, you may sand to 60-120 grit on smooth wood to remove fuzz if necessary. Remove dust and debris with an air compressor or fine broom.

## COVERAGE

Wood Surface	Approximate Coverage (per coat)
Smooth Siding/Beams	200-250 square feet/gallon
Interior Trim/Paneling	250-300 square feet/gallon
Clear Topcoat	15-20% of base coat volume

\*Coverage may vary depending on wood porosity and condition.

## SAFETY INFORMATION

- Avoid contact with eyes, skin, and glass
- Do not inhale spray mist
- Use personal protective equipment
- See SDS for full safety information

## STORAGE

Store above 50°F (10°C) in a sealed, airtight container. Do not freeze or expose to temperatures above 90°F (32°C). Clean tools with soap and warm water after use.

## IMPORTANT NOTICE

Proper preparation, product selection, and environmental conditions are essential for optimal performance. Always test before full application. Timber Pro Coatings assumes no responsibility for misuse, application outside the recommended procedure or climate change-induced extreme weather events. For more information or to order, visit the Timber Pro Coatings website.

## WARRANTY

The sole obligation of Timber Pro Coatings and its authorized sellers shall be to replace any quantity of Timber Pro Coatings product that is determined by Timber Pro Coatings to be defective in material or manufacture. Proof of purchase is required. Timber Pro Coatings and its sellers shall not be liable for any incidental, consequential, or indirect loss or damage arising from the use, misuse, or handling of this product. All labor costs associated with the application, removal, or replacement of the product are specifically excluded from this warranty. It is the responsibility of the user to determine the suitability of the product for its intended purpose prior to application. By using this product, the user assumes all risks and liabilities associated with its use. This limited warranty is provided in place of all other warranties, conditions, or remedies, whether express or implied, including but not limited to any implied warranty of merchantability, fitness for a particular purpose, or warranties arising from course of dealing, custom, or usage of trade. Timber Pro Coatings does not authorize any distributor, retailer, or third party to make any warranties or guarantees that differ from or exceed the terms of this limited warranty. Timber Pro Coatings disclaims any responsibility for such unauthorized representations.

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## APPLICATION METHODS

### 1 Sprayer Application :

Use machine sprayer, HVLP, pump sprayer with a fan tip, or airless sprayer, working from the bottom up. Spray evenly to lightly saturate the wood. Avoid puddling, drips, or overapplication. Back-brush for even application on architectural wood. Allow 1-24 hours\* to dry before applying second coat.

### 2 Brush Application :

Apply evenly along the grain using a stain brush, working from the bottom up. Avoid puddling, drips, or overapplication. Keep a wet edge and back-brush to eliminate overlap. Allow 1-24 hours\* to dry before applying second coat.

\*Dry time varies with temperature, humidity, wood type, and porosity. Apply early, before wood heats, and avoid direct sun over 74°F (23°C).

## WORKING PROCEDURE

- Apply only in shaded or cool conditions (50–74°F / 10–23°C optimal)
- Stir product well throughout application to ensure even tint dispersion
- Do not apply if wood moisture exceeds 23%, or during rain, high humidity, or if rain is expected
- Test on a small section and allow to dry before full application
- Apply 2-3 even coats on exposed wood

## COLOR SYSTEM GUIDE

Color Series	Recommended Color Coating System
Microtint	2 coats color + 1 coat Clear LSS topcoat
Transparent	2 coats color + 1 coat Clear LSS topcoat
Semi-Transparent	2 coats color + 1 coat Clear LSS topcoat
Semi-Solid	2 coats color (1 coat Clear LSS optional)
Over EG/IWS	2 coats EG/IWS + 1 to 2 coats LSS*

\*When using EG or IWS, a second coat of stain may not be required. Refer to Manufacturer's Guide if necessary.

