



Wood Protection

LotusPro™ is a high-performance, mold-resistant coating for mass timber and other engineered wood that offers today's mass timber products superior protection against moisture, staining, and dirt pick up.

Features

- Durable superhydrophobic film that both penetrates and coats the wood surface
- Superior water repellency
- Drying rates 50% faster than existing technologies
- Water-based
- Natural appearance
- Mold-resistant
- Protects against oils, salts, alkalis, and many chemicals
- Resistant to UV radiation
- Allows water vapor transmission
- Factory applied

Intended Application

LotusPro™ is especially designed for use on cross laminated timber (CLT), glulam, SIP panels, and other engineered wood products to provide protection during the transportation, storage, and construction cycle.

Top-Coat Compatibility

Compatible with oil-based and certain water-based finishes. Test top coating for compatibility prior to use. Consult top-coat manufacturer for further details.

Technical Information

Property	Description / Result
Appearance & Odor	Liquid suspension, mild odor
Evaporation Rate	Slower than ether
Specific gravity	1.02
VOC content	41 g/L
Flash Point (ASTM 3243)	72° C/161.6° F
Adhesion (ASTM D3359)	Excellent
Tukon Hardness (ASTM D1474)	19
pH	7.0 - 9.0
Viscosity	18 - 20 Sec Z #3

Material Storage

- Product must be stored at temperatures above freezing.
- Partial containers should be tightly re-sealed after use.
- Shelf life is approximately 1 year.

Coated Material Storage and Handling

- Coated panels may be stacked after coating, provided they are separated with uncoated stickers.
- Coated material should be dry to the touch before being paper wrapped.

Application Instructions

Surface prep

Substrate preparation: Wood surface to be treated should be planed and dry, and free of dirt, dust, oil and other contaminants.

Application Temperature

Minimum application temperature is 55° F (13° C).

Application rate/coverage

- Apply in one coat. Do not apply additional coats.
- Do not thin.
- Apply to a wet coat thickness of approximately 2-6 mils. The surface is properly treated when it has an even degree of sheen. Do not over-apply.
- Maximum coverage rate 750 ft²/gallon.

Agitation

Partial containers may develop a thin film on the top layer of the container. Apply agitation for 30 minutes to blend film into product and provide homogeneous mixture prior to applying to the wood substrate.

Application equipment

- Can be applied by airless sprayers, vacuum coaters, brushes, roll coating or air assist spray.
- Spray systems should be equipped with screen filter on intake.

Clean up

Flush all equipment with acetone and then water immediately after use. Build-up may be removed with a cleaner solution such as acetone. Isopropanol/water (50/50) mix can also be used for cleaning equipment.

Dry time

- Dries in 20 to 50 minutes, depending on application environment (50% faster than existing technologies).

Packaging

- 5 gallon pail
- 50 gallon drums

EHS Profile

- Formulation does not contain “fluorinated forever chemicals” (PFAs).
- Does not add VOCs to the treated wood in service.

SDS

Consult the Safety Data Sheet for complete information on environmental, health, and safety requirements prior to use.

In Case of Emergency

In case of chemical emergency call CHEMTREC at 1-800-424-9300 (Contract Number 864796), or call our EH&S department at 678-624-5800 during normal business hours.



1200 Bluegrass Lakes Parkway
Alpharetta, GA 30004
470-504-1300
wolmanizedwood.com

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