

Product Description

DryWired® Wood Shield is a non-toxic, water-based protective coating solution for untreated, natural wood surfaces. This eco-friendly coating provides an invisible shield against water and oil creating a stain repellent surface. Wood Shield, unlike other protective wood products, does not change the appearance, feel, or breathability of the surface. Allowing the wood to maintain breathability permits moisture to evaporate from the wood, preventing rotting. Wood Shield eliminates the need for chemical cleaners by demonstrating self-cleaning properties with the use of only water.

Intended Uses

Every type of untreated, natural wood surface including:

- Sandalwood
- Birch
- Cedar
- Oak
- Redwood
- Wicker
- Straw
- Bamboo

Features

- Water-repellent
- Oil-repellent
- Easy-to-clean effect
- Transparent
- UV-stable
- Breathable
- Simple application (do-it-yourself)
- Maintains natural feel of the substrate

Application

Surface Preparation	Ensure a clean, dry surface – pressure washing may be necessary. Any loose debris should be removed and imperfections should be repaired. The coating is only as sound as the substrate.
Application	Apply using spray bottle or HVLP sprayer. Apply until fully saturated.
Dry Time	Less than 2 hours
Cure Time	24 hours
Coverage	70 -300 ml/10ft ² (1m ²) – dependent on absorbency of the substrate.
Removal	Pressure washing greater than 50 bar can remove the coating. The coating is only as sound as the substrate– anything that removes the top layer of the substrate will remove the coating.
Extended Care & Maintenance	Cleaning with water is recommended. Pressure resistant up to 50 bar.

Safety, Handling & Storage

When stored under conditions between 38°F - 86°F (3°C - 30°C) in the original, unopened container, the shelf life is two years. Before using this product, please read the current product Material Safety Data Sheet (available through your sales representative or at www.DryWired.com) and the precautionary statement on the product package. Follow all applicable precautions and directions.

Physical Properties

Property	Solution
Appearance	Slightly Opaque Liquid
Solvent	Water
Odor	Unscented
Density	1.06±.03g/cm ³ at 20°C
Boiling point of solvent	>100°C
Flashpoint	None
System	1-part
pH	3.0 - 5.0 at 20°C (50% in water)
Viscosity	1-10 mPas @ 20°C

Property	Coating
Appearance	Transparent
Coating Thickness	100 - 150 nm
Contact angle (static, water)	>130° (ASTM D7334-08)
Contact angle (static, oil)	>100° (ASTM D7334-08)
Adhesion	5B (ASTM 3359)
Hardness	3H (ASTM D3363-05)
Weather Resistance	3,500 hours passed (ISO 11507 A)

Packaging

Wood Shield is available in:

- 20 liter HDPE tote

Additional Information

To request additional product information or sales assistance, contact DryWired at 1-800-581-4528 or visit www.drywired.com.

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