

TECHNICAL DATA SHEET

HIGH-PERFORMANCE PENETRATING STAIN



DESCRIPTION



High-Performance Penetrating Stain is a solvent-based premium transparent wood finish, that penetrates deep into the wood to enhance the grain and promote the natural look of wood.

Available in a variety of colours, this product leaves a low-build, water-repellent, very low sheen finish that will not peel or flake and that is resistant to UV rays, salts, moisture and mildew growth. High-Performance Penetrating Stain can be used inside or outside on wooden furniture, trim, doors, railings, windows, cabinetry and other wood surfaces, where it will protect vertical exterior surfaces for up to four years. It can also be used on floors and decks, where it will protect horizontal exterior surfaces for up to two years.

COLOUR RANGE

Pine, Rosewood, Cherry, Teak, Walnut, Red Mahogany, Brown Mahogany, Oak and Clear Base.

FEATURES

- Interior/Exterior use
- Penetrates deep into wood
- Very low sheen, low build, semi-transparent finish
- Enhances the natural look of wood
- For interior and exterior use
- UV, salts, moisture, mildew and mould resistant
- Lasts up to 4 years on vertical exterior surfaces, and up to 2 years on exterior horizontal surfaces

SPREAD RATE

- **RECOMMENDED MAXIMUM WET FILM THICKNESS PER COAT:**
100 microns (3-4mils)
- **RECOMMENDED MINIMUM SPREAD RATE PER COAT:**
6.5-9.3m² per litre (265-380 sq ft/ US gal) dependent upon the nature and absorbency of the wood.

Number of Coats: 1 – 3 dependent upon the depth of colour / staining required. (70 – 100 sq ft/litre)

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DIRECTIONS FOR USE

Stir thoroughly **before** and **during** use. Do not shake.

Apply in a well-ventilated area. Do not apply outside if rain is imminent within 12 hours.

For best results, it is recommended to apply by brush, pad or roller to effectively work stain into wood pores.

To assure colour uniformity intermix multiple containers of stock colours and apply a small test area to verify colour.

When applying by brush or roller, apply an even and generous coat with the direction of the wood grain.

When staining vertical wood siding, start at the top, applying stain to two or three boards, and work down to the bottom of the boards or until you come to a natural break in the surface, such as a corner or edge.

When staining horizontal wood siding, start at the top corner, applying stain to two or three boards, and work across to the other end of the boards or until you come to a natural break in the surface, such as a corner or edge.

When applying by low-pressure pump-up sprayer, prime the tank by pumping until resistance is met. The tip should be adjusted to achieve an even and continuous fan spray of approximately 4 - 6 inches. Begin spraying material in a continuous manner, saturating the surface area but avoiding any puddling. If puddling occurs, use a brush, roller or pad to distribute excess material evenly.

When applying by airless spray equipment use a unit with a minimum of 1500 - 2000 psi of pressure with a 0.011" - 0.013" fluid spray tip.

During spray application, it is recommended to back-roll the surface area to ensure an even coat application, and to effectively work stain into wood pores.

To assure coating uniformity, always paint/stain to a natural break in the surface, such as a corner or edge, and maintain a wet edge during application.

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GENERAL SURFACE PREPARATION

The entire surface area to be stained should be clean, dry, sound, and free from dirt, grease, oils, waxes, mildew and any other surface contaminants that may adversely affect the performance of this coating material.

Mildew: For exterior surfaces, high-pressure or wash with solution of 125 ml (1/4 pint) liquid bleach and 15 ml non - ammoniated detergent to 4 litres (1 gallon) of water, to remove any mildew or surface salts. Allow the wood to dry out thoroughly before application of the WoodCare High-Performance Penetrating Stain.

NEW SURFACES

New Wood Surfaces – All new wood surfaces should be allowed to go through two (2) wet/dry cycles by rain or regular water rinsing to open wood grain and to remove excess surface tannins during cleaning. If required, sand thoroughly with 120 - 150 grit sandpaper before application.

New Pressure Treated Wood – New uncoated pressure treated wood, (PTW), should be allowed to weather for approximately 4 – 6 weeks or until water droplets can penetrate the wood surface within 20 seconds. Wood surfaces with a mill glaze or a slick, shiny appearance, must be scuff sanded or allowed to weather sufficiently to allow surface pores to open before staining. Wet woods, such as Cedar and Redwood, should be allowed approximately 6 months to weather sufficiently prior to staining.

PREVIOUSLY PAINTED SURFACES

Old Wood Surfaces – Thoroughly clean the entire surface area as stated above. It is recommended to power wash the surface area using a unit with a minimum of 1500 psi of pressure to sufficiently remove existing stain powder, and deteriorated wood fibers. Allow a minimum of 48 hours of good drying condition before application of stain. Wood surfaces that are excessively gray or weathered should be cleaned with a restorative wood cleaner or brightener, rinsed thoroughly, and allowed to dry for 48 hours before staining.

Previously Stained Wood – Previously stained and/or painted surfaces must be completely stripped to reveal the bare wood surface and treated as a new wood surface. Repair/remove all damaged, deteriorated, and

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surface imperfections with the proper patching or building materials.

SPECIAL NOTE: Some wood, such as Cedar and Redwood contain natural Tannic Acids. These acids tend to migrate to the surface when painted, thus discoloring most coatings. If this occurs during application of this particular product, allow application to completely dry, then wash the affected surface areas with a mild detergent solution and rinse thoroughly.

DRYING TIME

Recoat: Overnight or 24 Hours.

For vertical surfaces, allow 24 hours drying time before use.

For horizontal surfaces, allow 48 hours drying time before use.

Final dry 48-72 hours.

CLEAN- UP

Clean tools, equipment and spills with Ulttima Puritene Oil Paint Thinner.

For best maintenance after cleaning with thinner, wash brushes with warm water and detergent.

COMPOSITION

Specialized proprietary resins, pigments, Mineral Spirits, aromatic solvents, 2-Butanome oxime, Biocides.

PROPERTIES

Colour	8 Pre- tinted colours.
Solids Content	33 – 37% by weight.
VOC	580 g/litre
Viscosity	Low viscosity - water thin.
Grind Hegman Scale	N/A
Weight per Gallon (U.S.)	7.2 – 7.4 lbs/gal.
Gloss at 60	Very low sheen
Shelf Life	1 year minimum – unopened.
Drying time	To Touch: 2-4 Hours
Recoat	Overnight or 24 Hours
Thinner	Ulttima Puritene Oil Paint Thinner
Flash Point	42°C (107° F)

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PACKAGING SIZES

Available in 945ml (1qt), 3.8 litres (1US gal)

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN

SAFETY DIRECTIONS

FLAMMABLE

Best stored in locations not hotter than 26°C. Ensure maximum ventilation during application and drying.

With spray application use of an appropriate respirator is recommended. Dispose of in accordance with local regulations.

FIRST AID: In case of skin contact, wash thoroughly with soap and water. If product comes into contact with eyes, flush immediately with plenty water and seek medical advice. **DO NOT SWALLOW.** If ingested do not induce vomiting, wash mouth out with water and seek immediate medical attention.

If excessive inhalation exposure symptoms are experienced, seek fresh air.

TECHNICAL ASSISTANCE

For advice and recommendation on the use of all Harris/BH Paints and Building Products, consult the Harris Technical Department, Tel: (246) 429-4840.

Email: technical@harrispaintsonline.com