

Surface Preparation

Surface must be thoroughly clean and dry. Remove all dust, dirt, grime, mildew, oil, loose wood fibres mill glaze, previous coatings if poorly adhered and other contaminants before application.

Spray all wood surfaces with clean water, completely wetting the wood. Apply a cleaning solution of 120 g of 100% powdered Tri-Sodium Phosphate (TSP) in 1 L of liquid bleach and 3 L of water to the wood surfaces with a garden sprayer or a heavy nap roller cover. Scrub surface with a hard-bristle brush for 15–20 minutes to help remove mill glaze or weathering. **Do not allow the solution to dry on the wood surface.**

Power-wash wood surface clean with fresh water using 500–800 psi with the nozzle 8–12 inches away to remove cleaning solution. *If water beads, surface preparation must be repeated.*

Allow the surface to dry for 48 hours or until the moisture content is less than or equal to 18% before the application.

Finish should be applied within four weeks of preparation provided that the surface remains free of dirt, grease, grime and mildew.

After surface preparation, allow wood to thoroughly dry.

Recommendations

Application Conditions

Temperature: 10 to 32°C (50 to 90°F)
(ideal 20°C ± 5°C [68°F ± 9°F])

Relative humidity: Ideal between 15 and 55%, maximum 85%. Maintain these conditions during the application and the following 24 hours. Low temperature, high humidity, thick films or poor ventilation extend drying time.

Surface must be at a temperature at least 3°C (5°F) higher than dew point. Do not apply in direct sunlight, if rain, snow, heavy dew, or low temperatures below 4°C (40°F) are expected within 48 hours.

Tools

- Paintbrush: Natural bristles and/or solvent resistant synthetic bristles.
- Roller: 10 mm (3/8 in.);
- *Spray (explosion-proof airless equipment)
 - Tip size: 0.009 to 0.011 in.;
 - Pressure: 700 to 800 psi.

Always use top quality application tools.

*Spray recommendations may vary from figures listed depending on equipment manufacturer.

** Roller or spray, back brush immediately on the surface.

Cleaning Tools

Remove as much product quantity as possible and clean tools with mineral spirits immediately after use. **Danger of combustion.** Materials such as rags used with this product may begin to burn by themselves. After use, put rags in a sealed, water-filled, metal container, or lay flat to dry, then discard.

Storage and Transportation

Keep in a dry and ventilated area, between 10 and 30°C (50 and 86°F). Under such conditions, unopened containers may be stored up to 5 years from manufacturing date.

Disposal

Consult your municipality in order to dispose of residues according to environmental regulations. Do not pour down a drain or storm sewer.

PRECAUTION: Dry sanding will give rise to dust and/or hazardous fumes. Wet sanding should be used wherever possible. Wear suitable respiratory protective equipment when exposure cannot be avoided by adequate local ventilation. **WARNING!** If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST OR FUMES CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a properly fitted NIOSH-approved respirator and prevent skin contact to control lead exposure. Contact a regional Health Canada office for more information.

Application

Buy sufficient product for the whole job.

Stir thoroughly before and often during use. Do not thin.

When using more than one container, intermix to ensure colour uniformity.

Apply when air and surface temperatures are 10 to 32°C (50 to 90°F). Do not apply in direct sunlight, if rain, snow, heavy dew or low temperatures below 4°C (40°F) are expected within 48 hours.

Application using a soft, long-haired natural bristle brush is the preferred method. If applied by roller or airless sprayer, back brush immediately to ensure penetration and to avoid an uneven finish. For airless spray, use a .009 — .011 in., tip at 700 — 800 psi, adjust pressure as needed.

Apply only one even coat, in the direction of the grain avoiding heavy application. To help avoid lap marks, apply to only a few boards at a time, and maintain a wet edge. Saturate all end grains, nail holes, cracks in the wood and the back of all boards if possible.

NOTE: Tannin containing woods such as redwood, red cedar, mahogany, Douglas fir contain tannic acid which tends to migrate to the surface and can discolour the finish. The discolouration is not harmful and can usually be removed by cleaning with a solution of 120 g of oxalic acid to 3.78 L of warm water. Apply with a garden sprayer or heavy nap roller cover. Allow to sit on surface for 20 minutes. Rinse thoroughly with clean water. **DO NOT ALLOW solution to dry on wood surface.**

For more information, visit the website at www.perfectwoodstains.ca or call our customer service: 1-800-463-7426.

Safety Measures

Before use, be sure to read and follow the instructions and warnings on the label and Safety Data Sheet (SDS). For workplace use, an SDS are available from your retailer, through our website or by calling 1-800-463-7426. Keep out of the reach of children. Use only in well-ventilated area. Keep containers tightly closed and sealed until ready for use. Use personal protective equipment as required.

DANGER OF COMBUSTION. CONTENTS HARMFUL. MAY IRRITATE EYES.

Do not swallow. Avoid contact with eyes or skin. Avoid breathing spray mists. Wear protective gloves and eye/face protection: Chemical splash goggles. Use chemical-resistant, impervious gloves. Keep away from flames or sparks. **Materials such as rags used with this product may begin to burn by themselves.** After use, put rags in water or lay flat to dry, then discard.

FIRST AID: If swallowed, rinse mouth with water (only if the person is conscious). Call physician immediately. Do not induce vomiting. If in eyes, rinse with water for 15 minutes. Check for and remove any contact lenses. In case of contact, immediately flush skin with plenty of water while removing contaminated clothing and shoes. Get medical attention if irritation develops. If inhaled, remove to fresh air. If experiencing respiratory symptoms call poison centre or doctor/physician.

Emergency spill information: 1-514-645-1320 or 1-800-463-7426.

Surface Maintenance

- Wait for its full curing before washing the product or testing its adhesion: minimum 7 days depending on temperature and relative humidity (longer in conditions of high humidity or low temperature).
- The level of sun exposure, and the quality of ventilation of the structures drive the maintenance frequency. Chalking and colour fading are natural ageing characteristics between maintenance coats.
- Maintenance varies according to usage and place. To maintain the products protective characteristics, apply a maintenance coat when visibly required or sheen appears dull and before wood starts to turn grey. Clean and prepare surface as specified under SURFACE PREPARATION. Areas that show minimal wear should only be lightly coated. Hardwoods and lighter colours require more frequent maintenance.
- High and continuous moisture content or insufficient ventilation of wood prematurely reduces the product durability or can cause peeling.

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