

Product Description

Semi-transparent water-based stain particularly recommended for horizontal and vertical surfaces. Its technology provides optimum protection against wear.

Advantages

- Alkyd resin encapsulated with acrylic, reinforced with urethane providing optimum protection against wear.
- The second coat may be applied as soon as four hours after the first one.
- Ready for use and easy to apply.
- Dries quickly and has very little odour.
- Enhances the beauty of the wood without concealing the grain.
- Withstands the effects of weather without fading, chalking, blistering, peeling or cracking.
- Contains a preservative which is mildew resistant.
- Water-based microporous product, which is waterproof, but allows material to breathe.
- Water-based product which allows tool clean-up with water.
- Complies with the Canadian Volatile Organic Compound (VOC) Concentration Limits for Architectural Coatings Regulations requirements.

Projects

Environment

Exterior only.

Use

New and maintenance work.

Residential and commercial sites.

Vertical and horizontal surfaces: decks, stairs, railings, sidings, fences and outdoor furniture.

Surfaces

New or bare wood: pressure-treated wood, pine, cedar.

Exotic wood exposed to climatic conditions for more than a year.

Can be applied on old weathered semi-transparent stains which have been exposed to climatic conditions for a period of more than a year.

Notes

The moisture content of wood must be between 12% and 18% when applying. Not to be used on torrefied wood.

Do not use on water-repellent stains containing wax or, on previously painted or solid stained surfaces.

Not to be applied over shellac.

Exotic woods must be weathered for more than one year before doing an adhesion test on a small area.

Notice: High and continuous moisture content, insufficient ventilation of wood or intensive traffic (decks) prematurely reduces the product durability or can cause peeling.

This product is not to be mixed with other products.

Warranty

PPG Architectural Coatings Canada, Inc. warrants performance of its products to its intended use if properly applied in accordance with the label directions and the specifications of the technical data sheet. Having no control over the application methods and conditions or the circumstances related to its use, no other warranty, expressed or implied, statutory or otherwise is given. This limited warranty extends only to the original purchaser of the product and is not transferable or assignable. If the product fails to conform to this limited warranty, we will, at your option, furnish replacement product or refund the purchase price. This limited warranty excludes (1) labour or costs of labour for the application or removal of any product and (2) all other direct, indirect, incidental, special or consequential damages.

Technical Specifications (21°C (70°F))

Appearance

Semi-transparent

Gloss Level

Satin Flat finish

- Gloss at 60°: Not available
- Gloss at 85°: Not available

Composition

- Diluent: Water
- Binder: Alkyd, Acrylic and polyurethane polymers (emulsion)

Drying Time*

- Touch dry: 60 minutes
- Dust free: 1 hour
- Before recoating: minimum 4 hours; maximum 24 hours
- Prior to withstanding rain: 24 hours
- Prior to light foot traffic: 24 hours
- Prior to normal foot traffic: 3 days
- Before replacing the furniture: 3 to 7 days
- Full curing: 14 days

If relative humidity is higher than 50%, required time must be doubled.

Spreading Rate per Coat

3.78 L: 46 to 56 m² (500 to 600 ft²)

(Excluding losses caused by variations in application methods or surface porosity)

Volatile Organic Compounds (VOCs)*

According to ASTM D3960-05: < 250 g/L

Canadian regulation: < 250 g/L

Solids by Volume*

17%

Flammability

Non flammable

Minimal Film Thickness*

(According to the maximum spreading rate)

- Wet: 2.7 mils (69 µm)
- Dry: 0.5 mil (13 µm)

Certifications*

Not available

*Technical data source: 234-190



Surface Preparation

All surfaces must be thoroughly clean and dry. Remove all dust, dirt, chalking, oil, wax, mildew, sanding dust, mill glaze, loose stain and other surface contamination.

▶ Clean surface with the appropriate cleaner for removing the contaminant. Rinse well.

— Remove mildew with a solution of household bleach (1 part household bleach to 3 parts of water). Wear rubber gloves and eye protection. Apply with a garden sprayer or a heavy nap roller cover and scrub surface with a hard bristle brush. Rinse thoroughly with clear water.

▶ New wood or bare weathered wood: Clean with exterior wood cleaner, brightener and conditioner Sico® 771-222, 771-333 or 771-666 or an appropriate cleaner, rinse well with clear water.

▶ Surfaces in poor condition: Remove any trace of stain with a stripper or a pressure jet, depending on the surface condition.

Clean with exterior wood cleaner, brightener and conditioner. Rinse well with clear water.

▶ Wood treated with a water-repellant product containing wax: Strip the surface.

▶ Sand cleaned wood using 80-120 grit sandpaper for vertical surfaces and 60-80 grit sandpaper for horizontal surfaces. Always sand in direction of the wood grain.

▶ Eliminate sanding residues.

Precaution: Dry sanding of dry coatings will give rise to dust and/or hazardous fumes. Wet sanding should be used, wherever possible. If exposure cannot be avoided by the provision of local exhaust ventilation, suitable respiratory protective equipment should be used.

▶ Previously stained wood in good condition: Ideally, remove the old coating in order to keep the semi-transparent look, otherwise wash well with a Polyprep cleaner 771-135 or 771-136 or an appropriate cleaner and sand lightly with #80 sandpaper to dull the surface.

▶ Old cracked or warped boards must be replaced.

▶ If wood exudes resin, scrape the excess and clean surface with alcohol or paint thinner.

▶ At the end of the surface preparation, rinse well with water. If water beads, surface preparation must be repeated.

▶ Once the surface is free of any contaminant, wait 16 hours after light rain and 24 hours after moderate or heavy rain or pressure jet washing before to apply the product under the recommended conditions of application.

▶ During application, moisture content of wood substrate must be between 12% and 18%.

Application

Do not thin. Stir thoroughly before and during application. Pour the quantity of product needed into another container to avoid contaminating the original stain container. Keep containers closed when not in use.

APPLY OUTDOORS.

CAUTION: Floors are slippery when wet. Use caution when walking on wet surfaces during application.

Apply evenly, in the direction of the grain avoiding heavy application and comply the spreading rate.

Application using a brush is the preferred method, if not back brush immediately to ensure penetration and to avoid an uneven finish.

Saturate all end grains, nail holes and cracks in the wood.

For maximum protection, wood must be stained on all 6 sides.

To help avoid lap marks, stain only a few boards at a time and keep a wet edge.

Observe drying time between coats. Low temperatures or high humidity will affect drying time. Applying two finishing coats will provide better durability and appearance.

Wait 3 to 7 days before replacing furniture on the deck.

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

Recommendations

Application Conditions

Temperature: 10 to 32°C (50 to 90°F).

Relative humidity: Ideal between 15 and 50%, maximum 85%.

Do not apply when dew is imminent, in direct sunlight, on a warm surface or during windy conditions.

Application conditions must be maintained during stain application and drying.

Do not apply if lower temperatures are expected within: 3 to 6 hours.

Do not apply when rain is expected within: 24 hours.

High humidity or low temperatures extend drying time.

Tools

• Paintbrush: Synthetic bristles (nylon, polyester).

If rolling, back brush immediately on the surface.

Cleaning Tools

Remove as much product quantity as possible and clean tools with lukewarm soapy water immediately after use.

Storage and Transportation

Keep in a dry and ventilated area, between 10 and 32°C (50 and 90°F). Under such conditions, unopened containers may be stored up to 3 years from manufacturing date. PROTECT FROM FREEZING.

Disposal

Consult your municipality about proper disposal procedure of residue in accordance with the laws and respect the environment or give leftover stain to someone who could use it: a neighbour or friend, a recreation centre or a non-profit organization. Do not empty into drains.

Surface Maintenance

- Wait for its full curing before washing the product or testing its adhesion: minimum 14 days.
- Maintenance varies according to usage and place. To maintain the products protective characteristics, apply a maintenance coat when visibly required.
- High and continuous moisture content, insufficient ventilation of wood or intensive traffic (decks) prematurely reduces the product durability or can cause peeling.

Safety Measures

Read the Material Safety Data Sheet.

DANGER OF COMBUSTION. 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, and then discard.

Use only with adequate ventilation. Do not breathe vapor or mist. Avoid contact with eyes and skin.

Keep out of reach of children.

FIRST AID TREATMENT: For eye contact, flush with running water for at least 15 minutes. If swallowed, do not induce vomiting. Call Poison Control Centre or physician immediately.

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