

Product Description

ProLuxe 1 Primary Coat RE Wood Finish is a premium, translucent finish for exterior vertical wood.

It is generally used as the first (and possible second) coat in the *1 Primary Coat RE/23 Top Coat RE* protective systems.

The *1 Primary Coat RE/23 Top Coat RE* protective systems provide a durable, rich film that will protect from harmful UV rays and minimize peeling and blistering.

ProLuxe 1 Primary Coat RE may also be used on its own as a 2-coat system for specific purposes (i.e. outdoor furniture and fences).

Features

- Penetrating alkyd-oil formula, part of a 3-coat system.
- Microporous water-repellent product; which is waterproof, but allows wood to breathe.
- Contains penetrating natural oils providing good wood surface penetration for optimum protection against flaking.
- Its translucent iron oxide pigments amplify depth of colour, clarity and substrate protection.
- Its powerful UV absorbers protect colour and wood substrate.
- Contains a mildew-resistant preservative.

Available Colours

SIK41005C	Natural Oak	SIK41009C	Dark Oak
SIK41045C	Mahogany	SIK41072C	Butternut
SIK41077C	Cedar	SIK41078C	Natural
SIK41085C	Teak	SIK41996C	Natural Light

Projects

Environment

Exterior only.

Use

New and maintenance work.

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Apply to properly prepare new, dry, pressure-treated wood or weathered uncoated wood.

Surfaces

Properly prepared exterior bare wood vertical surfaces.

Notes

Wood Finish Natural Light colour will weather faster than others.

The moisture content of wood must be below 18%.

Use on exotic hardwoods may affect coverage, dry time and durability.

High and continuous moisture content or insufficient ventilation of wood prematurely reduce the product durability or can cause peeling.

Do not use on floors.

This product is not to be mixed with other paints, stains or thinners.

Limited 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

Translucent

Gloss Level

Satin finish

Composition

- Diluent: Hydrocarbons
- Binder: Alkyd & Penetrating linseed oil in solution

Drying*

- Touch dry: 12 hours
- Before recoating: 24 hours
- Prior to withstanding rain or dew: 48 hours
- Full curing: 7 days

When relative humidity is higher than 50%, double the required time.

Drying times listed may vary depending on temperature, humidity, film build, colour, and air movement.

Spreading Rate per Coat

On rough and weathered surfaces, approximately 18.5 to 28 square metres (200 to 300 sq. ft.) per 3.78 L.

On smooth surfaces or hardwoods, approximately 23 to 32.5 square metres (250 to 350 sq. ft.) per 3.78 L.

Coverage figures may vary depending on the type, age and texture of the wood and application method.

Volatile Organic Compounds (VOCs)*

- According to ASTM D3960-05: < 275 g/L
- Canadian regulation: < 350 g/L

Solids by Volume*

67%

Flammability

Flammable

Flash Point

49°C (120°F)

*Technical data source: SIK41005C
(Data may vary with product colour)



Surface Preparation

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

Sand all cleaned wood using 80–120 grit sandpaper. Always sand in the direction of the wood grain and remove sanding dust.

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

NEW AND WEATHERED UNCOATED WOOD: Clean and prepare all wood surfaces as specified under SURFACE PREPARATION. Pressure treated wood must be properly seasoned, dry with a moisture content of 18% or less and free of salts and other water-soluble materials. Water-repellent treated lumber requires minimum one year of weathering.

EXOTIC HARDWOOD: Ipe, mahogany, iron wood, tiger wood, teak and other exotic hardwoods exhibit a dense cell structure which may reduce the ability of a coating to penetrate the wood surface. Clean and prepare surfaces as specified under SURFACE PREPARATION. Immediately prior to applying coating, wipe surface with acetone.

PREVIOUSLY COATED WOOD: Previous coatings must be completely removed prior to application. Once previous coating is removed, clean and prepare surface as specified under SURFACE PREPARATION.

After surface preparation, allow wood to thoroughly dry.

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

Test wood for absorbency by sprinkling water on the surface — if water is absorbed within 30 seconds to 2 minutes, depending on climate, the surface is ready for finishing. If water is not absorbed, wait 30 days and retest.

Buy sufficient product for the whole job. Stir thoroughly before and often during use. Do not thin.

Before starting, apply to a small area and allow stain to dry to ensure acceptable appearance and penetration.

When using more than one container of the same colour, 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 .011—.015 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.

Must be top coated with two coats of ProLuxe 23 Top Coat RE, following label application directions.

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: 0.011 to 0.015 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.

Application (continued)

Outdoor furniture and fences: Since outdoor furniture and fences are considered to be in a high moisture environment, two coats of *1 Primary Coat RE Wood Finish* would be your best method of application. Allow a minimum of 24 hours dry time between coats.

Kiln-dried or Air Dried Logs: Generally, the moisture content of these logs is below 18%. However, some logs may have moisture content higher than 18%. Therefore, we recommend application of one thin coat of *1 Primary Coat RE* and allow one year weathering.

The second year, follow the surface preparation procedure before applying **2 coats of 1 Primary Coat RE + 1 coat of 23 Top Coat RE**. Allow a minimum of 24 hours dry time between coats.

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.
- For 2-coat system (specific purposes i.e. outdoor furniture and fences) a maximum timeframe of 2 - 3 years on the south and west exposures and 3 - 4 years on the north and east exposures can be used as a general guideline. Clean and prepare surface as specified under SURFACE PREPARATION. Apply one maintenance coat. Hardwoods and lighter colours may require more frequent maintenance.
- High and continuous moisture content or insufficient ventilation of wood prematurely reduces the product durability or can cause peeling.

PPG Architectural Finishes, Inc. believes the technical data presented is currently accurate: however, no guarantee of accuracy, comprehensiveness, or performance is given or implied. Improvements in coatings technology may cause future technical data to vary from what is in this bulletin. For complete, up-to-date technical information, visit our web site or call 1-866-660-2220.



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