



Technical Data Sheet

SEMI-TRANSPARENT PENETRATING OIL FINISH

FLOODPRO FLD-144

Product Description

FloodPro® Semi-Transparent Penetrating Oil Finish is a premium quality finish, fortified with Flood's exclusive PENETROL® that beautifies and protects exterior wood. Lightly pigmented to enhance the natural characteristics of the wood, allowing the grain, colour variations and texture to show through while protecting the surface.

This finish contains a preservative which is mildew resistant.

Recommended Uses

New or maintenance work.

Residential and commercial sites.

Vertical and horizontal surfaces: decks, siding, fences, shakes, shingles, docks, doors, farm buildings, trim boards and outdoor furniture.

Exterior only.

Surfaces

Exterior wood.

Features & Benefits

- Penetrating and quick drying.
- Mould, mildew and weathering resistant.
- Ready for use and easy to apply.

Colour Range

- Available in 1 neutral tint base.
- 24 custom tints with universal colorants.

Consult your retailer for more information on product and size availability.

Characteristics (21°C (70°F))

Appearance	Semi-transparent
Finish	Flat finish
Composition	<ul style="list-style-type: none">• Diluent: Hydrocarbons• Binder: Alkyd & Penetrating linseed oil in solution
Flammability	Combustible liquid
Flash Point*	57 °C (135 °F)
Viscosity*	Ready to use (18 ± 3 cps)
Density*	0.9 ± 0.1 kg/L
Solids by Weight*	61%
Solids by Volume*	57%
Volatile Organic Compounds (VOCs)*	
	According to ASTM D3960-05: < 350 g/L
	Canadian regulation: < 350 g/L

*Technical data source: FLD-144

Recommendations

- Tools**
- Paintbrush: Natural bristles.
 - Roller: 13 mm (1/2 in.); 19 mm (3/4 in.).
 - Stain pad applicator.
 - Spray: Airless sprayer.

Spreading Rate per Coat

- Smooth Wood: 24 to 32 sq m (250-350 sq. ft.)
- Rough Wood: 14 to 24 sq m (150-250 sq. ft.)

■ Vary due to application methods.

■ Vary due to the porosity and roughness of the wood.

Cleaning

Remove as much product quantity as possible and clean with mineral spirits immediately after use.

Drying Time*

- Before recoating: Maximum 20 minutes
- Prior to withstanding rain: 48 hours
- Prior to light circulation: 24 hours
- Prior to normal circulation: 48 hours
- Before cleaning: 7 days

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

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 50%, maximum 85%.

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

Application conditions must be maintained during product application and drying. Apply when no rain is expected within 48 hours.

High humidity or low temperatures extend drying time.

Notes

The moisture content of wood must be below 15%.

A test for the penetration and absorption of the wood is required.

Not to be used on torrefied wood or on exotic woods.

Do not use this product as a primer.



Surface Preparation

Surfaces must be clean, solid, dry and free from dust, dirt, oil, soot, wax, mildew, patina, old stain or all other contaminants.

- ▶ Clean surface with an appropriate cleaner. Rinse well.
 - Mildew must be removed by scrubbing with a mixture 118 mL of non-ammonia detergent (like TSP), 1 L of household bleach and 3 L of water. Wear rubber gloves and eye protection. Allow this solution to remain on the surface for 10-15 minutes, then rinse thoroughly and let dry. Allow 2-3 days dry time after cleaning before finishing.
- ▶ Strip, scrape, or sand to remove all old paint, solid finish, varnish or sealer.
- ▶ Eliminate sanding residues. Precaution: Dry sanding, flame cutting and/or welding of dry stain film 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.
- ▶ Old cracked or warped boards must be replaced.
- ▶ If wood exudes resin, scrape the excess and clean surface with alcohol or paint thinner.
- ▶ Allow wood to dry at least 48 hours in dry weather or until it has reached a moisture content of 15% or less before finishing.
- ▶ Once the surface is free of any contaminant and dry, apply the product under the conditions of application recommended.

Tinting

Custom tint using colourants that are approved for exterior use only.

Application

This is a ready-to-use product, do not thin. Purchase the quantity that you need. Stir thoroughly the product 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 one coat to properly prepared surfaces.
- Saturate all end grains, nail holes, cavities, and cracks in the wood.
- Brush on a liberal coat and maintain a wet edge to prevent lap marks.
- Brush in the direction of the wood grain starting at one end of the wood and continuing to the other end.
- For horizontal sidings, begin at one edge of 3 to 4 boards and stain across to a logical break, such as door, window, corners, etc.
- For vertical sidings, begin at the top and go down to a break.
- To ensure colour and finish uniformity, avoid overlapping during application.
- When rolling or spraying, also back brush immediately to ensure penetration and uniformity.

Most wood surfaces require only one coat. Severely weathered surfaces may require two coats (applied wet-on-wet) for maximum durability. Do not apply a second coat if the first coat has dried.

CAUTION: Surfaces are slippery when humid or wet; use caution when walking on these surfaces.

For more information on application methods, visit the website at www.floodstains.ca or call our customer service: 1-800-321-3444.

Systems recommendation according to surfaces

New or uncoated and not significantly weathered surfaces:

- Clean with FloodPro Stripper/Cleaner to reduce mill glaze and allow maximum penetration.
- An even coat of FLD-144.

Uncoated wood surfaces that have weathered longer than six months:

- Use FloodPro Stripper/Cleaner or Dekswood® Deck Cleaner and Brightener with a pressure washer or stiff bristle brush to remove loose wood fibers, dirt and other surface contaminants.
- An even coat of FLD-144.

Surfaces covered with paint, solid finish, varnish or sealer:

- Remove completely using FloodPro Stripper/Cleaner.
- An even coat of FLD-144.

Surfaces covered with semi-transparent finish:

- Surfaces must be aged and porous. Clean and prepare with Flood's Dekswood®.
- An even coat of FLD-144.



Surface Maintenance

- Maintenance should be performed when visually necessary.
- Before application of a maintenance coat, prepare the surface using the previously mentioned cleaning solution.
- Let the surface dry for 48 hours after power washing.
- Apply one coat of the product.
- Areas that have minimum wear should be coated lightly.
- Hardwood surfaces may require more frequent maintenance.
- High and continuous moisture content, insufficient ventilation of wood or intensive circulation (decks) prematurely reduces the product durability or can cause peeling.

Safety Measures

Read the Material Safety Data Sheet. Avoid contact with eyes. Keep out of reach of children. Use only in well-ventilated areas.

CONTENTS HARMFUL. DANGER OF COMBUSTION. MAY IRRITATE EYES AND SKIN. Do not swallow. Do not get in eyes or on skin or clothing. Keep away from flames or sparks. Keep out of reach of children. Wear gloves, safety glasses and a mask. 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 TREATMENT: Contains naphta solvent and Stoddard solvent. If swallowed, call a Poison Control Centre or doctor immediately. Do not induce vomiting. If in eyes, rinse with water for 15 minutes. If on skin, clean with mineral oil followed by soapy water then rinse well.

Storage and Transportation

Keep product in a dry and ventilated area between 10 and 32°C (50 and 90°F).

Product disclaimer

PPG Architectural Coatings Canada Inc. guarantees 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 guarantee, expressed or implied, statutory or otherwise is given. We shall not be responsible for any indirect, consequential or other damages.

This technical data sheet, No. FLD-144, replaces all earlier versions.

Flood and FloodPro are registered trademarks of PPG Architectural Finishes Canada inc.