



Technical Data Sheet
CWF HARDWOODS
PENETRATING WOOD FINISH FOR EXOTIC HARDWOODS
PRO SERIES FLD-380C
Water-based product, matte finish

Product Description

Recommended for use on any properly prepared exterior hardwood, including decks, fences, siding, railings, outdoor furniture and other wood surfaces.

Apply to new, dry, pressure-treated wood, uncoated new or weathered wood, or wood previously stained.

Can be also apply directly to weathered wood previously finished with FLOOD CWF; other previous coatings must be completely removed.

Recommended Uses

New or maintenance work.

Residential and commercial sites.

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

Exterior only.

Surfaces

Any properly prepared exterior hardwood surfaces

Features & Benefits

- Ready for use and easy to apply.
- Dries rapidly and has only very little odour.
- Withstands the effects of weather without blistering, peeling or cracking.
- Contains a preservative which is mildew resistant.
- Water-based microporous product allowing wood 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.

Colour Range

Natural/tint base

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

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.

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.

Characteristics (21°C (70°F))

Appearance	Translucent
Finish	Matte finish
Composition	<ul style="list-style-type: none">• Diluent: Water• Binder: Alkyd polymers (emulsion)
Flammability	Non-flammable under normal use conditions
Flash Point*	Not applicable
Viscosity*	Ready to use (5 to 30 Centipoises)
Density*	1.0 ± 0.1 kg/L
Solids by Weight*	11%
Solids by Volume*	9%
Volatile Organic Compounds (VOCs)*	According to ASTM D3960-05: < 250 g/L Canadian regulation: < 250 g/L

*Technical data source: FLD-380C

Recommendations

- Tools**
- Paintbrush: Synthetic bristles (nylon, polyester).
 - Roller: Synthetic, woven cover 3/8-3/4 inch.
 - Stain-pad applicator.
 - Spray: Airless sprayer.
- When applying by roller or spray, always back-brush for best results.

Spreading Rate per Coat

- Smooth Wood: 32 to 42 sq m (350-450 ft²) for 3.78 L;
- Rough Wood: 14 to 23 sq m (150-250 ft²) for 3.78 L.

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

Cleaning Tools

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

Drying Time*

- Touch dry: 4 hours
- Before recoating: Apply wet-on-wet before the coat has dried
- Prior to withstanding rain: 48 hours
- Prior to light foot traffic: 24 hours
- Prior to normal foot traffic: 48 hours
- Before replacing the furniture: 72 hours
- Full curing: 30 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, in 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.



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Surface Preparation

Surface must be dry and clean. Remove all dust, dirt, mildew, oil, patina, loose wood fibres, pre-existing finishes and other contaminants.

- ▶ Use FLOOD Wood Stripper to remove any previous coatings. Previous coatings must be completely removed.
- ▶ To ensure proper adhesion, weathered, dirty or mildewed surfaces should be cleaned with FLOOD Wood Cleaner prior to applying product.
- ▶ After rinsing, allow wood to dry.
- ▶ Remove grade stamps or pencil marks by sanding.
- ▶ 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. Wear suitable respiratory protective equipment when exposure cannot be avoided by adequate local ventilation.
- ▶ Previously coated surfaces: Can be apply directly to weathered wood previously finished with FLOOD CWF; other previous coatings must be completely removed.
- ▶ 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 and dry, apply following the recommended application conditions.

Systems recommendation according to surfaces

New or bare wood:

- 2 coats: FLD380C

Weathered bare wood surfaces"

- 2 coats: FLD380C

Weathered wood previously finished with FLD-380C

- FLD-380C: One or two coats as required; other previous coatings must be completely removed.

Application

Before starting, test on a small area, applying all coats required on a sample of your bare wood to confirm that the result will be according to your expectations.

This is a ready-to-use product, do not thin. Stir thoroughly the product before and periodically during application.

Intermix batches for colour consistency. Pour the quantity of product needed into another container to avoid contaminating the original container. Keep containers closed when not in use.

Apply 1 thin coat to properly prepared surfaces.

Apply in the direction of the wood grain starting at one end of the wood and continuing to the other end.

Maintain a wet edge to prevent lap marks. Saturate all end grains, nail holes, cavities, and cracks in the wood.

On vertical surfaces the product should be applied from the top down.

- Two coats are necessary for optimal protection and appearance.

APPLY THE SECOND COAT BEFORE THE FIRST COAT HAS DRIED.

- Do not apply a second coat if the first coat has dried.

Allow 24 to 48 hours of drying time before light foot traffic and 72 hours before replacing furniture. Allow new stain to cure 30 days before washing.

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



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Safety Measures

Read the Material Safety Data Sheet. Keep out of reach of children. Use only in ventilated areas.

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, then discard.

FIRST AID TREATMENT: If in eyes or on skin, rinse thoroughly with clear water for 15 minutes. If swallowed, do not induce vomiting. Inhalation: If respiratory discomfort occurs, move the person to fresh air. Call Poison Control Centre or physician immediately.

Surface Maintenance

- Wait for its full curing before washing or testing adhesion: minimum 30 days.
- The level of sun exposure, the traffic intensity and the quality of ventilation of the structures drive the maintenance frequency. Wear 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.
- High and continuous moisture content, insufficient ventilation of wood or intensive traffic (decks) prematurely reduces the product durability or can cause peeling.
- While this product provides a mildew resistant coating, growth may still occur if the substrate is not properly prepared prior the coating and/or if the substrate is consistently exposed to conditions conducive to mold, mildew, and algae. Examples of these conditions include, but are not limited to, under eaves, behind shrubbery and trees, and in areas that are consistently damp with little to no direct sunlight.

Storage and Transportation

Keep product 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 2 years from manufacturing date.

PROTECT FROM FREEZING.

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.

This technical data sheet, No FLD-380C, replaces all previous versions.

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