



Technical Data Sheet
100% ACRYLIC STAIN
FOR DECKS, FENCES AND SIDING
PRO SERIES FLD-82XC
Water-based product, satin flat finish

Product Description

Recommended for use on any properly prepared exterior wood, 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 or painted.

Recommended Uses

New and maintenance work.

Residential and commercial sites.

Properly prepared exterior wood surfaces: Decks, fences, siding, railings, outdoor furniture and other wood surfaces.

Exterior only.

Surfaces

New or previously stained wood in good condition and properly prepared.

Features & Benefits

- Excellent UV protection.
- Can be apply from +2°C (35°F) to 49°C (120°F).
- Urethane fortified for toughness.
- Very high hiding, dries rapidly and has only very little odour.
- Ready for use and easy to apply.
- Water-based microporous product allowing wood to breathe.
- Contains a mildew-resistant preservative.
- Resists weathering without fading, chalking, blistering or peeling.
- Low VOC content complies with the Canadian Volatile Organic Compound (VOC) Concentration Limits for Architectural Coatings Regulations requirements.

Colour Range

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

- FLD820C WHITE/PASTEL BASE
- FLD821C MIDTONE BASE
- FLD822C ACCENT BASE

Notes

Not to be used on torrefied wood.

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	Solid colour
Finish	Satin to Flat finish
Composition	<ul style="list-style-type: none">• Diluent: Water• Binder: 100% acrylic (emulsion)
Flammability	Non-flammable under normal use conditions
Flash Point*	Not applicable
Viscosity*	Ready to use (88 ± 5 Krebs Units)
Density*	1.2 ± 0.1 kg/L
Solids by Weight*	46%
Solids by Volume*	33%
Volatile Organic Compounds (VOCs)*	According to ASTM D3960-05: < 100 g/L Canadian regulation: < 250 g/L

*Technical data source: FLD-820C

Refer to the appropriate colour formula book, automatic tinting equipment, and or computer colour matching system for colour formulas and tinting instructions.

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

3.78 L: 32 to 46 m² (350 to 500 ft²)

(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: 30 minutes
- Before recoating: 2 to 4 hours
- Prior to withstanding rain: 12 hours
- Prior to light foot traffic: 24 hours
- Prior to normal foot traffic: 48 hours
- Before replacing the furniture: 48 hours
- Full curing: 30 days

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

Application Conditions

Temperature: +2 to 49°C (35 to 120°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: 24 hours.

Do not apply when rain is expected within: 12 hours.

High humidity or low temperatures extend drying time.



Technical Data Sheet
100% ACRYLIC STAIN
FOR DECKS, FENCES AND SIDING
PRO SERIES FLD-82XC
Water-based product, satin flat finish

Surface Preparation

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

- ▶ Remove loose, peeling previous coatings by sanding, scraping or wire brushing.
- ▶ 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.
- ▶ 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 under the recommended conditions of application.
- ▶ During application, moisture content of wood substrate must be between 12% and 18%.

CAUTION:

Floors are slippery when wet. Use caution when walking on wet surfaces during preparation and application.

- ▶ Some woods, such as cedar and redwood, contain high amounts of tannin, a coloured wood extract. The first coat of stain may show some discolouration, but the tannins will be trapped in the first coat of stain. A second coat will result in a uniform appearance.

Tinting

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

Systems recommendation according to surfaces

New or bare wood:

- 2 coats: FLD-82XC.

Old bare weathered wood:

- 2 coats: FLD-82XCC.

Weathered wood surfaces previously sealed, stained or painted:

- FLD-82XC: One or two coats as required.

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.

- Apply 2 thin coats for optimal protection and appearance.
- Allow 2 to 4 hours between coats or before recoating.

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

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



Technical Data Sheet
100% ACRYLIC STAIN
FOR DECKS, FENCES AND SIDING
PRO SERIES FLD-82XC
Water-based product, satin flat finish

Safety Measures

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

MAY BE HARMFUL IF SWALLOWED. MAY CAUSE EYE AND SKIN IRRITATION. Avoid breathing vapours, spray or mists. Avoid contact with eyes or skin. Wear protective gloves/clothing and eye/face protection.

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 the product or testing its 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.

Areas that show minimal wear should only be lightly coated. Light colours may require more frequent maintenance.

- 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). PROTECT FROM FREEZING.

Limited Warranty

SATISFACTION GUARANTEED: PPG Architectural Coatings Canada, Inc. warrants your complete satisfaction with the performance of this product for a period of 25 years on fences and siding and 10 years on decks when our product has been applied and maintained according to label directions. This 25 years on fences and siding and 10 years on decks satisfaction guarantee is non-transferable. The manufacturer does not warrant against problems with the product which are caused by factors beyond its control, such as structural defects, damage to the paint film by others, poor condition of the substrate, improper application, etc. If not satisfied as warranted, return the unused portion along with sales receipt to place of purchase. You will receive as your exclusive remedy either a refund of the price paid for the product or replacement with product of equal value. This warranty specifically excludes labour or costs of labour for the removal or application of any paint and indirect, special, consequential, incidental damages.

This technical data sheet, No FLD-82XC, replaces all previous versions.

The PPG Logo is a registered trademark of PPG Industries Ohio, Inc. FLOOD and the FLOOD and Paintbrush Design are registered trademarks of the PPG Group of Companies.

PPG Architectural Coatings Canada, 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.