



# Technical Data Sheet

## ACRYLIC / OIL STAIN

### FOR DECKS, FENCES AND SIDING

#### PRO SERIES FLD-812C

Water-based product

### 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 previously coated wood with a weathered, clear sealant or semi-transparent stain.

### Recommended Uses

New and maintenance work.

Residential and commercial sites.

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

Exterior only.

### Surfaces

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

### Features & Benefits

- Contains penetrating natural oils providing optimum protection against flaking.
- Dries rapidly and has only very little odour.
- One coat coverage enhances the beauty of wood without concealing the grain.
- Mildew resistant on the coating film.
- Water-based product which allows tool clean-up with water.
- Low VOC content complies with the Canadian Volatile Organic Compound (VOC) Concentration Limits for Architectural Coatings Regulations requirements.

### Colour Range

FLD-812C: Neutral 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.

While this product provides a mildew-resistant coating, growth may still occur if the substrate is not properly prepared prior to staining and/or if the substrate is consistently exposed to conditions conducive to mould, 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.

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** Semi-transparent

**Composition**

- Diluent: Water
- Binder: Acrylic polymer, Alkyd and Linseed oil (emulsion)

**Flammability** Non-flammable under normal use conditions

**Flash Point\*** Not applicable

**Viscosity\*** 55 to 65 KU

**Density\*** 1.1 ± 0.1 kg/L

**Solids by Weight\*** 33%

**Solids by Volume\*** 26%

**Volatile Organic Compounds (VOCs)\***

According to ASTM D3960-05: < 200 g/L

Canadian regulation: < 250 g/L

\*Technical data source: FLD-812C

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: 45 to 52 m<sup>2</sup> (480 to 560 ft<sup>2</sup>)

(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: Wait a minimum of 4 hours and a maximum of 24 hours for the application of second coat
- Prior to withstanding rain: 24 hours
- Prior to light foot traffic: 24 to 48 hours
- Prior to normal foot traffic: 72 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

Air and surface temperatures: 2 to 32°C (35 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 stain application and drying.

Air and surface temperatures remain above 2°C (35°F) for the next 24 hours after application.

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

High humidity or low temperatures extend drying time.



## 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, all 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.
- ▶ Strip, scrape, or sand to remove all old paint or solid colour finish.
- ▶ To ensure best durability and adhesion, 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. 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.

## Tinting

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

## Systems recommendation according to surfaces

### **New or bare wood:**

- 1 coat: FLD-812C, an extra coat may be applied for extra durability.

### **Old bare weathered wood:**

- 1 coat: FLD-812C, an extra coat may be applied for extra durability.

## 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 OUTDOORS when no precipitation is expected for 24 hours.

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

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

- A second coat may be applied for optimal protection and appearance.
- WAIT A MINIMUM OF 4 HOURS AND A MAXIMUM OF 24 HOURS FOR THE APPLICATION OF SECOND COAT.

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](http://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 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.
- 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 8 years on fences and siding and 6 years on decks when our product has been applied and maintained according to label directions. This 8 years on fences and siding and 6 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.

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