



**Technical Data Sheet**  
**PENETROL**  
**OIL-BASED PAINT ADDITIVE**  
**FLOOD FLD-4C**

Solvent-based product, clear amber

### Product Description

A free-flowing, low-odour, high quality penetrating oil-based paint additive which compensates for the adverse effects that weather and surface conditions have on paints and primers. Use in oil or alkyd-based paints, varnishes and primers. May also be used to condition metal and faded, weathered fibreglass surfaces.

### Recommended Uses

New or maintenance work.  
Residential and commercial sites.  
To mix with alkyd-based paints, enamels and varnishes in order to increase the adhesion of the coating to the surface.  
Interior and exterior.

### Surfaces

Surfaces in good condition, properly prepared and suitable for the base to which this product is mixed.

### Features & Benefits

- Improves levelling and reduces brush marks.
- Helps penetration and adhesion of alkyd-based products.

### Colour Range

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

### Notes

Handle carefully: wear rubber gloves, apron and protective glasses. Avoid contact with skin and eyes.  
Use only in well ventilated areas. Do not breathe vapour. Keep out of the reach of children.  
Ensure that the liquid will not be in contact with plastic, rubber or other solvent sensitive material.  
Do not mix with latex paint or water-based products.

### Characteristics (21°C (70°F))

<b>Appearance</b>	Translucent liquid
<b>Finish</b>	Not applicable
<b>Composition</b>	<ul style="list-style-type: none"><li>• Diluent: Hydrocarbons</li><li>• Binder: Alkyd &amp; Penetrating linseed oil in solution</li></ul>
<b>Flammability</b>	Combustible liquid
<b>Flash Point*</b>	37°C (99°F)
<b>Viscosity*</b>	Ready to use (19 ± 3 cps)
<b>Density*</b>	0.9 ± 0.1 kg/L
<b>Solids by Weight*</b>	36%
<b>Solids by Volume*</b>	30%
<b>Volatile Organic Compounds (VOCs)*</b>	According to ASTM D3960-05: < 550 g/L
	<ul style="list-style-type: none"><li>• NOTE: Addition of this product will raise coating VOC. Please check with local and applicable VOC regulations before using it.</li></ul>

\*Technical data source: FLD-4C

### Recommendations

#### Tools

#### Spreading Rate per Coat

Not available; will vary depending on use, ratio and the base to which it is mixed.

#### Cleaning Tools

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

#### Drying Time\*

- Before recoating: 12 to 24 hours

If relative humidity is higher than 50%, required time must be doubled.

#### Application Conditions

Temperature: 10 to 32°C (50 to 90°F)  
(ideal 20°C ± 5°C [68°F ± 9°F]).

Follow the instructions of the alkyd-based paints, enamels or varnishes used with this additive.



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## Surface Preparation

Read and carefully follow the coating instructions for the surfaces preparation.

### **Systems recommendation according to surfaces**

#### **As an additive alkyd-based primers, paints or varnishes:**

- If paint is very thick, or the weather hot or cold, 20-30% Penetrol may be required. When paint “pulls” or “sets” too fast, add Penetrol until the paint spreads smoothly and easily. The amount of Penetrol added to the paint does not change its appearance.

#### **Bare wood:**

- Penetrol can be added to many alkyd wood primers in the proportion of one part of Penetrol to two parts primer. The more Penetrol added, the deeper the penetration.

#### **Bare ferrous metal (iron, steel):**

- Remove loose or blistered paint, rust scale, excess dirt, oil and grease. Tightly bonded granular rust NEED NOT be removed. Be sure surface is dry. Saturate the metal with Penetrol. Allow 12-24 hours for drying. For brass, copper, aluminum and chrome, scrub surface with fine steel wool soaked in Penetrol and polish with a clean rag. Add Penetrol to alkyd metal primer to increase penetration, necessary in stopping rust action.

#### **Faux finishing:**

- Penetrol, mixed directly into alkyd-based paint, will improve the brushability of your paint and its levelling. Penetrol keeps paint from drying too fast thus increasing the its working time. The more Penetrol you add to the mixture (glaze) the more open time you will have and the more translucent the finish. Mix 3 volumes of alkyd -based paint to 1 volume of Penetrol.  
– For vertical surfaces do not add too much Penetrol it could cause sagging.

## Application

Stir thoroughly the product before use. Always mix a small amount of the additive with the paint you are using to determine compatibility.

Adding to the paint or primers: Stir and mix paint thoroughly. Keep containers closed when not in use. Follow the label instruction. Use an empty can or disposable cup as a measuring device.

For more information: visit the website at [www.floodstains.ca](http://www.floodstains.ca) or call our customer service: 1-800-321-3444.

## Safety Measures

Read the Material Safety Data Sheet. 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. 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: solvent naphtha; linseed oil and xylene. 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.

## Surface Maintenance

Not applicable

## Storage and Transportation

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

Shelf Life: 2 years, unopened stored away from excessive heat/direct sunlight.

## Limited Warranty

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