

# Exterior Wood Stain & Finishes

## Log End Seal™

### Protect Exposed End-Grain from the Elements

**Surface Preparation:**  
Must be applied to clean, dry surface.  
Sand log ends before applying Lifeline stain.

**Application Rates:**  
30 to 40 sq.ft. per gallon.  
One gallon will coat approx. 180 six inch diameter log ends or 100 eight inch diameter log ends.

**Application Temperature:**  
40° F to 90° F

**Application Methods:**  
Paint pad or sponge.  
Short bristled brush.

**# of Coats:**  
One coat application.

**Drying Time:**  
Dry to the touch in 2 to 4 hours.

**Clean up:**  
Soap and water.

**Packaging:**  
1 gallon container.

**Storage/Shelf Life:**  
DO NOT FREEZE!  
1 year.

The end-grain of wood is particularly vulnerable to sun, rain, snow and ice, which can lead to excessive cracks and checks. End-grain can also act like tiny straws, drawing excessive moisture into the wood. *Log End Seal* provides a durable, water-repellent barrier against these problems before they begin.



## Prelude™

### A Clear Primer for Porous Wood Surfaces

One coat of *Prelude* Clear Wood Primer fills the pores of the wood and provides a surface that enables you to obtain a more uniform finish color over the entire home.

*Prelude* ClearWoodPrimer also contains *UV Boost* for added UV protection. *Prelude* is a primer and should never be used as a final finish.



Not Sealed with Prelude

Sealed with Prelude



**Surface Preparation:**  
Must be applied to clean, dry surface.

**Application Rates:**  
200 to 400 sq.ft. per gallon depending on the porosity of the wood.

**Application Temperature:**  
40° F to 90° F

**Application Methods:**  
Airless sprayer.  
Brush. Backbrush to ensure even coverage.

**# of Coats:**  
One coat application.

**Drying Time:**  
Dry to the touch in 2 to 4 hours. Cures in 72 hours.

**Clean up:**  
Soap and water.

**Packaging:**  
1 gallon container.  
5 gallon pail.  
Samples available.

**Storage/Shelf Life:**  
Freeze/thaw stable.  
1 year.

## UV Boost™

### Additional Protection for High Sun Exposure Areas

Note: *Lifeline Ultra-2*, *Lifeline Ultra-1 Professional* and *Prelude* already contain *UV Boost*.

The addition of *UV Boost* to the first coat of any of our other finishes imparts additional protection against fading and graying. It is especially useful in interior finishes to reduce the “picture frame” effect on walls and carpeted floors. Since *UV Boost* must be in contact with bare wood for it to be effective, it only needs to be added to the first coat of finish.

#### Container Sizes

For adding to one gallon and five gallons of finish.



Washington 1-800-548-1231; Tennessee 1-800-548-3554; Montana 1-800-479-7090;  
Minnesota 1-877-244-6548; Colorado 1-800-433-8781

[www.permachink.com](http://www.permachink.com)

**PERMA-CHINK  
SYSTEMS, INC.**

# Prelude™

3/07

## Clear Water-Based Wood Primer

For use on rough cut siding, old porous wood, media blasted and pressure washed surfaces, areas where wood has been replaced and other interior and exterior porous vertical wood surfaces.

For use with LIFELINE™ brand stains.

**One coat of Prelude:**

- Prevents over absorption of pigmented stain.
- Retards graying due to sunlight (UV) exposure.
- Helps eliminate blotches and streaks.
- Reduces the amount of stain required to cover a surface.

### STIR WELL BEFORE USING

**CAUTION - DO NOT TAKE INTERNALLY**

**PERMA-CHINK  
SYSTEMS, INC.**  
[www.permachink.com](http://www.permachink.com)

Made in the USA

1.0 gallon (approx. 3.8 liters)

Eastern Division	1-800-548-3554
Western Division	1-800-548-1231
Colorado	1-800-433-8781
Minnesota	1-877-244-6548
Montana	1-800-479-7090
Sevierville, TN	1-865-774-3307

### Prelude™ Application Instructions

**Inspection**

Check for signs of deterioration and decay. Remove and replace or repair deteriorated wood. Unsound wood should be repaired prior to applying Prelude. Contact any Perma-Chink Systems office for information about wood repairs.

**Surface Preparation**

All surfaces should be free from discolorations and contaminants including media grit, dirt, dust, grayed wood, mold and mildew, old finishes, water repellents and wax. Borate applications such as Shell-Guard®, Shell-Guard® RTU, or Armor-Guard® MUST be accomplished before applying Prelude. Follow labeled product directions.

If more than a week has passed since the exterior has been cleaned or borate treated, wash down the surface of the logs with a solution of Log Wash™, rinse well and allow to dry before applying Prelude.

**Application**

Stir thoroughly before and regularly during use. Prelude can be applied with a brush or airless sprayer. Do not apply when the surface temperature is below 40° F or above 90° F. **DO NOT APPLY TO HOT SURFACES OR IN DIRECT SUNLIGHT.** Although Prelude is clear, back brushing is required to work the product into the wood and to assure complete coverage of the surface.

Once the Prelude has dried (typically two to four hours depending on weather conditions) you will be ready to apply any water-based LIFELINE brand stain. Follow the product application directions when applying any stain. **NOTE: PRELUDE IS A PRIMER/SEALER AND IS NOT SUITABLE AS A CLEAR, FINAL FINISH!**

**Coverage Rate**

One gallon of Prelude will cover approximately 200 to 400 square feet in a single coat application depending on wood texture and porosity.

**Cleanup**

Clean area and equipment immediately with warm, soapy water. For sprayers and other commercial equipment, follow the manufacturer's directions. For removing Prelude that has dried, soften with alcohol or mineral spirits and then clean with warm water. Please do not pollute our environment. Dispose of containers and unused material in accordance with local, state, and federal regulations.

**Storage**

Store Prelude out of direct sunlight and **protect from freezing.** Although Prelude is freeze-thaw stable, if the product is accidentally frozen, allow to thaw, mix well and check for suitability of use before applying.

3/07

**LIMITED WARRANTY**

Perma-Chink Systems, Inc. warrants and represents that Perma-Chink Systems Family of Products will conform to the description and specifications previously set forth and be free from defects in material and workmanship when shipped to the buyer. EXCEPT WHEN HEREIN EXPRESSLY STATED, THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, BY OPERATION OF LAW OR OTHERWISE, APPLICABLE TO THE PERMA-CHINK LOG HOME PRODUCT. PERMA-CHINK SYSTEMS EXPRESSLY DISCLAIMS ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

# Material Safety Data Sheet



IDENTITY (As Used on Label and List)

PRELUDE

## Section I

Manufacture's Name <b>Perma-Chink Systems, Inc.</b>	Emergency Telephone Number: CHEMTREC 1-800-424-9300
Address (Number, Street, City, State, and ZIP code) 1605 Prosser Road  Knoxville, TN 37914	Telephone Number for Information: 865-524-7343  Date of Preparation 8/17/09
Preparer's Name Sean Gahan	Signature of Preparer (optional)

## Section II – Hazardous Ingredients/Identity Information

Hazardous Component (Specific Chemical Identity, Common Name(s):	CAS #	OSHA / PEL	ACGIH TLV	Other Limits Recommended	% (optional)
This product contains no hazardous ingredients.					

## Section III – Physical/Chemical Characteristics

Boiling Point: 212 °F	Specific Gravity (H <sub>2</sub> O = 1) 1.02 – 1.04
Vapor Pressure (mm Hg.) N/A	Melting Point % Volatile (Volume) 77-82
Vapor Density (Air = 1) >1	Evaporation Rate (Butyl Acetate = 1) > 1
Solubility in Water Miscible with water; insoluble in most petroleum solvents	
Appearance and Odor Various colors; slight latex paint odor.	<b>VOC: 100 g/L MAX.</b>

## Section IV – Fire and Explosion Hazard Data

Flash Point (Method Used) None	Flammable Limitations N/A
Extinguishing Media CO <sub>2</sub> , dry chemical, foam	
Special Fire Fighting Procedures Use water spray to cool fire, exposed containers.	

### Unusual Fire and Explosion Hazards

Pressure may build up in closed containers exposed to fire or extreme high temperatures.

## Section V – Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	✓	None Known
Incompatibility (Materials to Avoid)			None Known
Hazardous Decomposition or Byproducts			Under extreme heat product may form oxides of nitrogen and carbon.
Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	✓	None Known

---

**Section VI – Health Hazard Data**

---

Routes of Entry    Inhalation? No    Skin? No    Ingestion? No    Eye Contact? Yes

---

**Health Hazards (Acute and Chronic)**

Eye Contact: May cause eye irritation, which may be severe if prolonged

---

Carcinogenicity? NO    NTP? NO    IARC Monographs? NO    OSHA Regulated? NO

---

No long-term adverse effects are known.

---

Signs and Symptoms of Exposure: None known

---

Medical Conditions: None known

---

**Emergency and First Aid Procedures:**

Eye contact: Flush with clean water for at least 15 minutes; seek medical attention.

---

Ingestion: Give two glasses of water to dilute. If irritation develops, seek medical attention.

---

Skin contact: Wash affected area with soap and water.

---

Inhalation: If vapors are inhaled, move individual to fresh air. Seek medical attention if irritation develops or breathing becomes difficult

---

---

**Section VII – Precautions for Safe Handling and Use**

---

Steps to be taken in Case Material is Released or Spilled

Dike spills. Absorb with inert material and collect for disposal. Do not allow material or washings to enter waterways.

---

Waste Disposal Method

Dispose of material in accordance with all applicable Federal, State, and Local regulations.

---

Precautions to be taken in Handling and Storing

Read and Observe all precautions on the product label. KEEP OUT OF REACH OF CHILDREN.

---

Other Precautions

Keep product from freezing.

---

---

**Section VIII – Control Measures**

---

Respiratory Protection (Specify Type)

Wear NIOSH – approved organic vapor respirator if product is sprayed indoors

---

Ventilation    Local Exhaust

Yes, if sprayed indoors.

Special

---

Mechanical (general)

Other

---

Protective Gloves

None required with normal use.

Eye Protection

Goggles or safety glasses recommended.

---

Other Protective Clothing or Equipment

None required with normal use.

---

Work/Hygenic Practices

---

The information contained herein is, to the best of Perma-Chink Systems, Inc. knowledge, accurate as of the data indicated. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar, and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume responsibility for the results of its use. This information is furnished on the condition that the person receiving it shall make his own determination as to the suitability of the material for his particular purpose and on the condition that he assumes the risk of his use thereof.