

# Exterior Wood Stain & Finishes

## Lifeline Endure™

### One-Coat Exterior Deck Finish

Our one-coat deck coating comes in 5 colors that complement our exterior wall finishes. Easy maintenance and high durability in a water based deck finish! Use *Lifeline Endure* for wood decks and trim. Maintenance coats can be applied as necessary or just touch up worn spots on stair steps and high traffic areas. If your deck is in a very high UV exposure location, addition *UV Boost* can be added to increase durability.



To keep your deck looking great as well as helping to extend the life of the finish, give it wash-down with *Log Wash* a couple of times a year.

- Excellent UV protection
- Contains *UV Boost*
- One coat for easy application and maintenance
- Easy to maintain
- Breathable film allows decking to dryout
- High coverage rates
- Long lasting color retention
- Environmentally friendly
- Compatible with all Perma-Chink Systems wood care products

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

**Application Rates:**  
One coat - 300 - 400 sq.ft. per gallon.

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

**Application Methods:**  
Airless sprayer.  
Brush.  
Pad.

**# of Coats:**  
One coat.

**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.



Pecan #920



Spruce #930



Cherry #940



Mesquite #950



Cape Cod #960

Application techniques, wood species and other factors will affect the actual color when finished. We supply samples for evaluation on your specific wood.



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)



# LIFELINE™ Endure

**STIR  
WELL  
BEFORE  
USE**

## Water-Based Deck Finish

A one-coat water-based stain for use on decks, railings, posts and other horizontal and vertical surfaces.

### COLOR

- #920 Pecan
- #930 Spruce
- #940 Cherry
- #950 Mesquite
- #960 Cape Cod
- \_\_\_\_\_

**LIMITED WARRANTY**  
Perma-Chink Systems, Inc. warrants and represents that PERMA-CHINK LOG HOME 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, EXPRESSED OR IMPLIED, BY OPERATION OF LAW OR OTHERWISE, APPLICABLE TO THIS PRODUCT. PERMA-CHINK SYSTEMS EXPRESSLY DISCLAIMS ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

**CAUTION - DO NOT TAKE INTERNALLY**

**PERMA-CHINK™  
SYSTEMS, INC.**

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

**1 Gallon (approx. 3.8 liters)**

Made in the USA

Rev 6/08



### LIFELINE™ Endure Deck Finish DIRECTIONS FOR USE

Endure Deck Finish is a one-coat, water-based stain for use on decks, railings, posts and other horizontal and vertical surfaces. There is no need to apply other products over Endure Deck Finish. Proper deck construction and surface preparation play a significant role in the performance of any deck finish. Decking must have adequate air circulation under it to prevent moisture accumulation in the wood. We recommend that decking be at least 18" from the ground or soil and that at least two opposing sides be open to provide air ventilation beneath the deck.

#### STEP #1: SURFACE PREPARATION

For new, pressure treated decks allow the wood to dry for at least three months before applying Endure. All surfaces should be free from mill glaze and contaminants including dirt, dust, mold and mildew, old finishes, water repellents and wax.

For the best performance of Lifeline Endure Deck Finish remove all grey oxidized wood then sand the deck and railings with 60-80 grit sandpaper. After sanding the surfaces should be cleaned with Log Wash and thoroughly rinsed to remove any wood dust. Use pH Strips to verify that all cleaner residue has been removed. Contact any Perma-Chink Systems location for information about the proper use of pH Strips. **DO NOT USE ENDURE DECK FINISH ON SURFACES THAT HAVE BEEN BRUSHED OR RUBBED WITH STEEL WOOL. IF YOU DO, RUST SPOTS MAY APPEAR UNDER THE FINISH. Endure Deck Finish should always be applied within five days of cleaning.**

#### STEP #2: APPLICATION

**COVERAGE RATE:** One gallon of Endure Deck Finish will cover approximately 300 to 400 square feet on unfinished wood depending on wood type and porosity. **DO NOT THIN.**

#### CAUTIONS: PLEASE READ CAREFULLY!

**DO NOT TAKE INTERNALLY. IF SWALLOWED, DRINK MILK. DO NOT INDUCE VOMITING. CONSULT A PHYSICIAN IMMEDIATELY. KEEP OUT OF REACH OF CHILDREN. KEEP CONTAINER TIGHTLY SEALED AFTER EACH USE. USE IN WELL VENTILATED AREA. DO NOT INHALE VAPORS. USE CAUTION WHEN APPLYING AROUND LAWNS AND SHRUBBERY.**

STIR THOROUGHLY before and regularly during use. Wear rubber gloves to avoid stains to the skin and fingernails. If multiple containers are used on the job, they should be poured together to ensure color consistency. Endure Deck Finish can be applied with an airless sprayer, brush or pad. 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.** Back brushing is required to work the finish into the wood for optimum performance. Always keep a wet edge to avoid lap marks. Allow the finish to dry 72 hours before replacing deck furniture.

#### STEP #3: CLEANUP

Clean area and equipment immediately with warm, soapy water. For removing Endure Deck Finish 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.

#### STEP #4: MAINTENANCE

A periodic maintenance coat of Endure Deck Finish may be applied directly over existing Endure as needed. Apply in a thin coat to avoid film build-up. Clean deck with Log Wash before applying.

#### STEP #5: STORAGE

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

**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**

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

Rev 6/08

# Material Safety Data Sheet



**IDENTITY** (As Used on Label and List)  
**ENDURE WATER-BASED DECK FINISH**

## 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	Telephone Number for Information: 865-524-7343
Knoxville, TN 37914	Date of Preparation 1/02/07
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)
Ethylene Glycol	107-21-1	50 ppm	100 mg/m <sup>3</sup>		

## Section III – Physical/Chemical Characteristics

Boiling Point: 212 °F	Specific Gravity (H <sub>2</sub> O = 1) 1.05 – 1.10
Vapor Pressure (mm Hg.) N/A	Melting Point % Volatile (Volume) 70 - 80
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 Milky white or pigmented liquid; characteristic latex order	VOC MAX: 250 MAX

## 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 that are 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? YES    Ingestion? YES    Eye Contact? YES

---

Health Hazards (Acute and Chronic)

**EYE CONTACT:** May cause eye redness or irritation.    **INHALATION:** Inhalation of vapors may cause headache or dizziness.

**INGESTION:** May cause gastrointestinal irritation.    **SKIN:** May cause temporary redness or skin rash.

---

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

---

No long term adverse effect 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 or milk 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. If respiratory irritation develops, seek medical attention.

---

## Section VII – Precautions for Safe Handling and Use

---

Steps to be taken in Case Material is Released or Spilled

Dike spill. 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 a NIOSH approved organic vapor respirator.

Ventilation    Local Exhaust

Provide adequate ventilation.

Special

Mechanical (general)

Other

Protective Gloves

Chemical resistant gloves are recommended.

Eye Protection

Goggles or safety glasses

---

Other Protective Clothing or Equipment

Wear long pants and shirt while applying product to protect skin from direct contact.

---

Work/Hygenic Practices: Wash hands thoroughly before eating, drinking, smoking or using the restroom.

---

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.