

Exterior Wood Stain & Finishes

Lifeline Advance™

Clear Topcoat – the Second Component of Our Exterior Finish System

Lifeline Advance works just like the clear-coat on your car to protect the color coat underneath. It extends the life of the finish system while adding depth and highlights to the appearance. It makes your exterior walls easier to keep clean.

Lifeline Advance has the right permeability to keep the film breathable while repelling liquid water.

Lifeline Advance is the second component in our exterior wall finish system that includes a limited warranty when used with *Lifeline Ultra-2*.



Satin

Gloss



- Satin or Gloss finish
- Simplifies and reduces maintenance of your exterior finish
- Significantly extends the life of the finish system
- Adds depth and luster to appearance
- Extremely high coverage
- Breathable to allow logs to dry out
- Environmentally friendly
- Only for use over *Lifeline Ultra-2*, *Lifeline Ultra-1 Professional* or *Lifeline Exterior*

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

Application Rates:
800-1000 sq. ft. per gallon over LIFELINE color coats.

Application Temperature:
40° F to 90° F

Application Methods:
Airless sprayer.
Brush.

of Coats:
One or two coats application over LIFELINE stain.

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.

PURDY®, WOOSTER®, STAINER® Brushes

Available Sizes

- 1-1/2 inch tapered.
- 2 inch tapered.
- 2 inch straight.
- 3 inch tapered.
- 3 inch straight.
- 4 inch straight.



STAY CLEAN™

Add an extra measure of protection against surface mold by adding *Stay Clean* to the final topcoat.



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



Rev 6/11

LIFELINETM ADVANCE



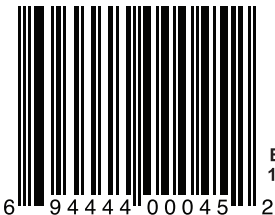
Exterior Clear Topcoat

LIFELINE ADVANCE Gloss / Satin Clear Topcoat is designed to go over all LIFELINE exterior finishes. In addition to enhancing the beauty of the finish, its advanced formulation imparts an extra measure of water repellency and ultraviolet (UV) resistance along with mold and mildew protection to extend the life of your stain. Since any LIFELINE exterior finish can be applied over an existing coat of LIFELINE ADVANCE Gloss or Satin, future maintenance will be simple and easy to perform.

BREATHABLE ~ WATER-BASED ~ FLEXIBLE

For Application Over Previously Stained Surfaces

STIR WELL BEFORE AND DURING USE



Eastern Division
1-800-548-3554

Western Division
1-800-548-1231

Colorado
1-800-433-8781

Montana
1-800-479-7090

Minnesota
1-877-244-6548

1 gallon (3.8 liters)

PERMA-CHINK[®]
SYSTEMS, INC.
www.permachink.com



MADE IN USA

LIFELINE ADVANCE™ Exterior Clear Topcoat

DO NOT APPLY TO BARE WOOD. LIFELINE Advance Gloss or Satin Clear Topcoat is designed to go over all LIFELINE exterior finishes. However over white pigmented stains we recommend using only Advance Satin, not Gloss. In addition to enhancing the beauty of the finish, its advanced formulation imparts an extra measure of water repellency and ultraviolet (UV) resistance along with mold and mildew protection to extend the life of your stain. Since any LIFELINE exterior finish can be applied over an existing coat of LIFELINE ADVANCE Gloss or Satin, future maintenance will be simple and easy to perform.

STEP #1: INSPECTION

Check over your existing finish to make sure it is in good condition. If necessary, apply a new coat of LIFELINE stain or touch up those areas that show signs of wear or weathering.

STEP #2: SURFACE PREPARATION

All surfaces should be free of dirt, dust, mold and mildew. Use appropriate materials to clean and prepare surfaces. If more than a week has passed since the surface was stained, we recommend washing down the logs with an appropriate cleaning solution such as Log Wash™ (2 cups of Log Wash per gallon of water), rinse well and allow to dry before applying LIFELINE Advance. Contact any Perma-Chink Systems office for information about cleaning your logs. **DO NOT USE LIFELINE ADVANCE ON SURFACES THAT HAVE BEEN BRUSHED OR RUBBED WITH STEEL WOOL. IF YOU DO, RUST SPOTS MAY APPEAR UNDER THE FINISH.**

STEP #3: APPLICATION

COVERAGE RATE – Coverage is approximately 800 – 1000 square feet per gallon depending on wood texture. LIFELINE ADVANCE Gloss or Satin may be applied over existing LIFELINE stains, topcoats, caulks, chinking or other sealants. **DO NOT USE THINNERS. STIR THOROUGHLY before and regularly during use.** LIFELINE Advance may be applied with a brush or airless sprayer. **DO NOT APPLY TO HOT SURFACES OR IN DIRECT SUNLIGHT.** Do not apply when the surface temperature is below 40° F or above 90° F. **Back brushing is required** to avoid drips and runs and to achieve optimum performance.



We recommend that you make a test application on a small area to get a feel for the product before you start on an entire wall. Apply no more than one coat of LIFELINE ADVANCE at a time. Dry and cure time will vary with the method of application, type of surface, age and texture of wood. Typically LIFELINE ADVANCE will dry to touch in 30-45 minutes but complete cure requires 72 hours.

LIFELINE ADVANCE should always be applied as a thin coat. Always back brush to ensure even coverage and to avoid visible drips and runs.

STEP #4: CLEANUP

Clean area and equipment immediately with warm, soapy water. For sprayers and other commercial equipment, follow the manufacturer's directions. For removing LIFELINE Advance 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 #5: MAINTENANCE

Periodic cleaning with an appropriate cleaner such as Log Wash™ helps extend the life of the finish and accentuates the beauty of your home. We recommend that log walls be washed down at least twice a year. Wood checking, cracking and shrinkage may eventually expose unprotected wood. Apply periodic maintenance coat only as needed paying special attention to the south and west sides of the home as they may have greater exposure to the elements.

STEP #6: STORAGE

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

Contact any Perma-Chink Systems office for additional information about applying and maintaining LIFELINE stains and topcoats.

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, EXPRESSED 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)

LIFELINE ADVANCE GLOSS & SATIN

Section I

Manufacture's Name Perma-Chink Systems, Inc.	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 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 (SATIN ONLY)	% (optional)
Silicon Dioxide, Crystalline free	112945-52-9	N/A	10 mg/m ³		
Ethylene Glycol	107-21-1	50 ppm	100 mg/m ³		
Dipropylene Glycol monobutyl ether	29911-28-2	N/A	N/A		
Diethylene Glycol monobutyl ether	112-34-5	N/A	N/A		

Section III – Physical/Chemical Characteristics

Boiling Point: 212 °F	Specific Gravity (H ₂ O = 1) 1.03 – 1.05
Vapor Pressure (mm Hg.) N/A	Melting Point % Volatile (Volume) 75 - 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 liquid; characteristic latex order	VOC: 250 g/L MAX

Section IV – Fire and Explosion Hazard Data

Flash Point (Method Used) None	Flammable Limitations N/A
Extinguishing Media CO ₂ , 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? NO Ingestion? NO Eye Contact? YES

Health Hazards (Acute and Chronic)

Eye Contact: May cause redness and irritation.

Ingestion: No harmful effects known

Skin Contact: No harmful effects known

Inhalation: No harmful effects are known

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.

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 NIOSH – approved organic vapor respirator if product is sprayed indoors

Ventilation Local Exhaust

Provide local exhaust if sprayed indoors

Special

Mechanical (general)

Other

Protective Gloves

None required for normal use

Eye Protection

Goggles or safety glasses

Other Protective Clothing or Equipment

None required for 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.