

# ENERGYSEAL™

**Eliminates Heat Loss and Destructive Water Infiltration**



ENERGYSEAL has an attractive natural appearance and is easy to apply. ENERGYSEAL is an excellent choice for sealing all of the window and door frames, seams, butt joints, and corners of your log home. Its textured finish readily accepts a stain for maximum hiding power.

### **Seals Your Log Home**

ENERGYSEAL is an acrylic polymer sealant formulated to provide a long-lasting and resilient barrier for any log home. Since logs constantly twist, turn, swell, expand and shrink during the life of a log home, destructive gaps do appear. These gaps promote the retention of moisture as well as seepage of air and water. ENERGYSEAL will virtually eliminate these destructive gaps by adhering directly to the logs while eliminating any air space. This product is resistant to most chemicals, salt spray, mold and mildew, and has low thermal conductivity. When applied on your log home, it stops air infiltration which increases the energy efficiency of your home.

**Made in USA**

**PERMA-CHINK®  
SYSTEMS, INC.**

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

**Net Contents: 44 lbs. / 22 Kilos**



## Directions For Use

### STEP #1: INSPECTION

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

### STEP #2: SURFACE PREPARATION

All surfaces should be clean and free of contaminants including dirt, dust, mold, mildew, oil and wax. Use appropriate materials to clean and prepare surfaces. Do not apply ENERGYSEAL over old caulk. If a wood preservative has been previously applied, make sure it is completely dry before applying ENERGYSEAL. If the surface is tacky or there are visible deposits on the wood, wipe the surface with a wet rag and allow to dry. If an oil-based stain has been applied, allow it to dry at least two weeks before applying ENERGYSEAL. Request a copy of "Log Home Sealant Application Guide" from any Perma-Chink Systems office for information about surface preparation and sealant application.

### STEP #3: BACKING MATERIALS

Depending on the log structure, Grip Strip (trapezoid) or Backer Rod (round) should be placed into the gap before the ENERGYSEAL is applied. This provides a more effective two-way (top and bottom) adhesion. When sealing small seams between logs, the Backer Rod may be held in place by running a small bead of ENERGYSEAL along the seam and sticking the Backer Rod to it. After about 30 minutes ENERGYSEAL may then be applied over the Backer Rod without displacing it.

### STEP #4: APPLICATION

ENERGYSEAL is compatible with most stains. For maximum adhesion and least visibility use ENERGYSEAL on bare wood prior to staining. If ENERGYSEAL is to be used over newly applied stains or topcoats, apply the product in an obscure area, wait 24 hours and test for adhesion. Do not apply ENERGYSEAL in direct sunlight or when the temperature is less than 40° F. ENERGYSEAL may be applied with a bulk loading caulk gun or applicator bag. Hold the applicator tip firmly against the back surface and apply. Apply enough sealant to maintain a wet thickness of 3/8" across the entire joint after tooling. Only apply as much sealant as you can tool in about 15 minutes. Once the joint is filled, spray with a light mist of water and tool smooth with a trowel or spatula. If the width of the trowel is close to the width of the joint, the smoothing process will be easier. Make sure there is good contact between the ENERGYSEAL and the exposed edges of the top and bottom logs. If you are a first time applicator, start work on a less visible area until you become familiar with the process.

**CAUTION: DO NOT TAKE INTERNALLY.**

### STEP #5: DRYING AND CURING TIME

Protect freshly applied ENERGYSEAL from direct rainfall for a minimum of 24 hours. When draping a wall with plastic film, allow some airspace between the wall and the plastic to facilitate drying. Drying time and curing time are two entirely different terms. In warm or hot weather, ENERGYSEAL will begin to skin over in as little as ten minutes while a complete cure may take three to four weeks. Cooler weather will slow both the drying time and curing process.

### STEP #6: CLEANUP

Clean area and equipment immediately with warm, soapy water before the ENERGYSEAL dries. For removing Perma-Chink that has dried, soften with alcohol 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 #7: MAINTENANCE

Periodic cleaning with an appropriate cleaner such as Log Wash™ will clean off dust and dirt and accentuate the beauty of your home. We recommend that log walls be washed down at least twice a year. Small rips and tears may be repaired using a bead of ENERGYSEAL and a damp short bristled brush to blend it in with the surrounding area.

### STEP #8: STORAGE

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

**Request a copy of our "Log Home Sealant Application Guide" from any Perma-Chink Systems office for additional information about applying and maintaining ENERGYSEAL.**

#### LIMITED WARRANTY

PERMA-CHINK SYSTEMS, Inc. warrants that ENERGYSEAL, when applied according to manufacturer's specifications and instructions, is free from defects and will perform as described in the manufacturer's publications. PERMA-CHINK SYSTEMS, Inc. entire responsibility under this limited warranty will be to replace materials that have proven to be defective, provided that not more than five years have elapsed since the original purchase.