



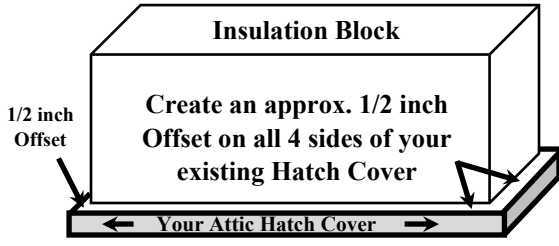
# The Energy Guardian® Universal Hatch Kit

## Installation Instructions

The Energy Guardian® Universal Hatch Kits install easily with minimal tools needed. Our premium, high-density EPS, combined with enclosed weather-stripping, provides an effective solution that will save energy and improve the comfort of your home.

Installation of the Universal Hatch Kit consists of insulating your hatch cover, weather-stripping your hatch opening and mounting a protective barrier inside your attic. Components of the kit are listed on the back.

### 1. Bond Insulation Block to Attic



Picture #1 - Insulation Block Attaching to Hatch Cover

Line up **Insulation Block** with existing hatch cover. If necessary, trim **Insulation Block** with a hand saw. The perimeter of the **Insulation Block** must be slightly smaller than your existing hatch cover (approximately a 1/2 inch offset on each side).

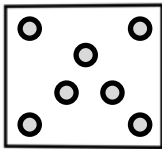
Using **Adhesive**, bond the **Insulation Block** to the attic side of the hatch cover.

Put a spot of **Adhesive** (the size of a nickel) near each corner and 3 additional spots in the middle (See Diagram #1).

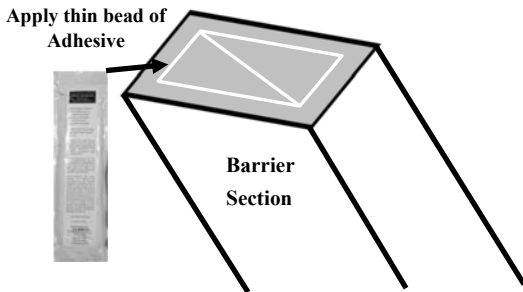
Press **Insulation Block** into place on back of hatch cover.

Let **Adhesive** set for 20 minutes.

(Diagram #1)  
Insulation Block  
Glue Pattern



### 2. Assemble Protective Barrier



Picture #2 - Glue Pattern on end of Barrier Section

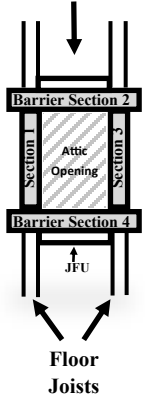
When the **Protective Barrier** is installed, it forms a square or rectangular wall around the opening that will keep insulation and other attic debris from falling into your living space (See Diagram # 2).

Apply **Adhesive** (See Picture # 2) to end of a **Barrier Section** and place on the floor joist. This is **Barrier Section #1**.

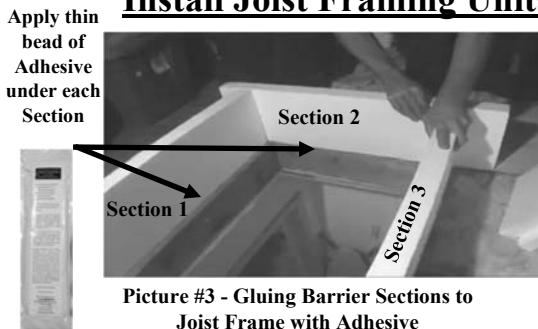
Place **Barrier Section #2** perpendicular to **Barrier Section #1**, allowing the ends to extend beyond the other floor joist. Glue these two **Barrier Sections** together. Repeat this step with **Barrier Section #3** (See Picture #3).

Apply **Adhesive** (See Picture # 2) to the open ends of **Barrier Sections #1 & 3** and glue the **4<sup>th</sup> Barrier Section** across the ends of **Barrier Sections #1 & 3** (See Picture # 3A). Sections may extend past the width of the Joist Frame. This is OK. This creates the **Protective Barrier**.

(Diagram #2)  
Installation of  
Protective Barrier



### 3. Glue Barrier Frame to Joist & Install Joist Framing Units



Picture #3 - Gluing Barrier Sections to Joist Frame with Adhesive

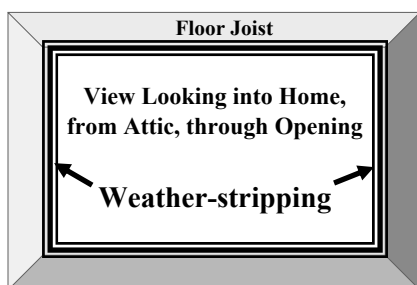
Glue the bottom of the completed **Protective Barrier** with **Adhesive** to the top of the Floor Joist that surrounds the attic opening (See Picture # 3).

The two **Joist Framing Units (JFU's)** fit between the floor joists on the outside of **Barrier Sections 2 & 4**. Make sure **JFU's** extend to bottoms of floor joists. Glue with **Adhesive** to sides of **Barrier Sections #2 & 4**. (See Picture#3A)



Picture #3A

### 4. Install Weather-stripping



Picture #4 - Joist Frame with Weather-stripping

NOTE: For Attic Opening with Support Trusses:  
Assemble the **Protective Barrier** as shown above, except install **Barrier Sections #1 and 3** around the outside of the trusses (See Picture # 3A). Put a bead of **Adhesive** on the truss where it contacts the two **Barrier Sections**.

Remove old **Weather-stripping** if present on trim that holds the hatch cover.

Install new **Weather-stripping** (included) on attic side of Hatch Trim where the Hatch Cover rests when in place (See Picture #4).

Cut off excess or overlapping **Weather-stripping**. **Weather-stripping** needs to cover the perimeter of the opening so that there are no air gaps.

For Support, Please Contact ESS Energy Products at:  
info@essnrg.com or 1-877-377-4674



# The Energy Guardian®

## Universal Hatch Kit Components

Here are the components of the Universal Hatch Kit and their role in insulating your attic hatch opening.

Installation Instructions are on the back side of this page

### 1. Insulation Block



Our Premium, High Density EPS provides the insulating value for your hatch cover. When installed on the attic side of the hatch cover, the Insulation Block provides an insulating value. The ESS Energy Products, Inc. label, with designated insulating value, is installed on the attic side.

Note: The Insulation Block only attaches to the attic side of the existing hatch cover. It does not attach to the Protective Barrier.

### 2. Barrier Sections (x4)



The assembled Protective Barrier provides a structure that prevents insulation, dust and debris from falling through the attic opening into your home. The Protective Barrier is glued to the joists which define the perimeter of the attic opening, inside the attic. These four (4) Barrier Sections are glued together to make the Protective Barrier.

### 3. Joist Framing Unit (x2)



Joist Framing Units are glued to the outside of two opposite sides of the Protective Barrier. They slide down into the floor joist and prevent insulation, dust and debris from entering the attic opening, under the barrier frame.

### 4. Weather-stripping



Weather-stripping is installed where attic hatch cover sits on the trim of the hatch opening that keeps it in place. Weather-stripping prevents air from leaking into the home from the attic. It is essential that Weather-stripping provides a complete seal around the perimeter of the attic opening with no gaps.

### 5. Energy Guardian® Speed Adhesive



The Energy Guardian® Speed Adhesive is included for bonding components together. Cut a small corner off the pouch and apply where needed. Apply in a thin bead or in a spot the size of a nickel for maximum adhesion. Set time is approximately 20 minutes. Keep at room temperature prior to use (70°F is ideal).



Cut small corner off pouch to create this bead diameter: ●