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The Energy Guardian® Pull Down Ladder Covers

Product Data Sheet



Description

The Energy Guardian Pull-Down Ladder Cover insulates and seals attic pull down ladders of virtually all sizes while also providing easy access to the attic for the homeowner. The unit is installed in the attic and creates a cavity for the ladder to fold into when the ladder is not in use.

Uses

The Energy Guardian Pull Down Ladder Covers fits on the attic side opposite the living area. To enter the attic, simply grasp the handles and remove the lid from the frame. The frame is also easy to move aside. When leaving the attic, the unit is quickly and easily replaced thereby re-establishing the thermal barrier. When properly installed, the unit will stop a major source of energy loss in both hot and cold weather, improve the comfort of the home and save on both heating and cooling costs. Due to the unique design of the unit, it also protects the home from infiltration of harmful dust and other debris in the attic. For those areas with significant snow, this product eliminates a major cause of ice damming.

Product Attributes

The Energy Guardian Pull Down Ladder Kits come in two sizes- each made of high density expanded polystyrene with easy to assemble components for accesses of various sizes. The **Standard** model has outside measurements of 35x63. The **Trussed** model has outside measurements of 22½x63 inches. The standard model has an R-39 insulating value, while the trussed model has an R-37 insulating value, with an alternate design providing an R-39 insulating value. **Both kits have accessory packs available to increase the R-Value to meet local requirements.** The design of the kit creates a highly effective air seal that is easy for occupants to use. Each kit provides 7 ½ inches of clearance to house the ladder in its folded position. For those rare ladders that require more clearance, frames providing an additional 9 inches of clearance may be purchased separately.

Ease of Access

The Energy Guardian Pull Down Ladder Cover allows easy access to your attic. The lid has two handles which makes it easy to push open the lid, move it aside when entering and replace it into the frame when leaving the attic. The kits are lightweight, ensuring ease of use by all ages.

Warranties and Product Ratings

The Energy Guardian Pull Down Ladder Cover comes with a 20 year warranty. In ASTM E84 tests, the material had a Flame Spread Rating of less than 25 and Smoke Developed Rating of less than 450. The product meets the 2009 IECC and IRC Code requirements for attic access openings. It can also be used to meet the requirements laid out for attic entrances in the ENERGY STAR® Thermal Bypass Checklist. Specifically, Item 5.1 (for Access panels) and Item 5.2 (for Drop-down Stairs) are addressed by meeting the requirements of having movable insulation and having all air gaps sealed.



We bring comfort to your life. ®

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MATERIAL SAFETY DATA SHEET

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: EPS Block and Board

DESCRIPTION: Expanded Polystyrene

MANUFACTURER: Carpenter Co.
5016 Monument Ave.
Richmond, Virginia 23230

FOR PRODUCT INFORMATION: (804) 233-0606

EMERGENCY TELEPHONE: (800) 424-9300 – CHEMTREC

PREPARATION DATE: May 8, 2007

PREPARED BY: I. H. Department

SECTION 2 – INFORMATION ON HAZARDOUS INGREDIENTS

None

SECTION 3 – HAZARDS IDENTIFICATION

ACUTE EFFECTS:

Eye: Residual amounts of dust or small particulates may cause eye irritation.

Skin: Residual amounts of dust or small particulates may cause skin irritation.

Inhalation: Dust may cause irritation of the nose and throat.

Ingestion: Not expected to be an ingestion hazard in normal use.

CHRONIC EFFECTS: None known.

EXPOSURE GUIDELINES:

Nuisance Dust (Total): OSHA – 15 mg/m³ TWA

SECTION 4 – FIRST AID

EYES: Flush with plenty of water. Remove larger particulates from the eye.

SKIN: Wash thoroughly with soap and water.

INHALATION: Remove victim to fresh air.

INGESTION: If more than a mouthful is swallowed, give 1 to 2 glasses of water. Seek medical attention.

SECTION 5 – FIRE AND EXPLOSION DATA

AUTO-IGNITION TEMPERATURE: >800°F (by ASTM D-1929)

HAZARDOUS COMBUSTION MATERIALS: Oxides of carbon.

EXTINGUISHING MEDIA: Dry chemical, foam, carbon dioxide, water fog or fine spray. Do not use direct water spray.

SPECIAL FIREFIGHTING PROCEDURES: Responding personnel must wear positive-pressure, self-contained breathing apparatus (SCBA) and protective firefighting clothing.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Not applicable.

SECTION 7 – HANDLING AND STORAGE

WASTE DISPOSAL: Treat as normal refuse in accordance with local, State, and Federal regulations.

HANDLING/STORAGE: Store and use away from sparks and open flame.

SECTION 8 – PERSONAL PROTECTION / EXPOSURE CONTROLS

RESPIRATORY PROTECTION: None required under normal use.

EYE PROTECTION: Safety glasses with side shields.

SKIN PROTECTION: Butyl, nitrile, or latex rubber gloves.

ENGINEERING CONTROLS: General ventilation.

ADDITIONAL PROTECTION: Eyewash station and safety shower.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE/ODOR: White solid, slight hydrocarbon odor.
SPECIFIC GRAVITY: <1.0 (H₂O=1)
VAPOR PRESSURE: Negligible. .
VAPOR DENSITY: Not determined (air=1).
BOILING POINT (° F): Not applicable.
SOLUBILITY IN WATER: Negligible.

SECTION 10 – STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable.

CONDITIONS TO AVOID: Heat, sparks, and open flame.

INCOMPATIBILITY: Aromatic solvents, strong oxidizing agents.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 11 – TOXICOLOGICAL INFORMATION

ACUTE TOXICITY:

LD50 rat (oral) Not available.
LD50 rabbit (dermal) Not available.
LC50 rat (inhalation) Not available.

CARCINOGENICITY: No component listed under IARC, NTP, or OSHA.

SECTION 12 – ECOLOGICAL INFORMATION

ECOTOXICITY: No data available.

BIODEGRADATION: No data available.

SECTION 13 – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Do not dump into any sewers, on the ground, or into any body of water. All disposal methods must be in compliance with Federal, State/Provincial, and local regulations

SECTION 14 – TRANSPORT INFORMATION

U.S. DOT: Not regulated.

SECTION 15 – REGULATORY INFORMATION

USA REGULATIONS

TSCA: All components of this product are listed on, or are exempt from the TSCA inventory.

SARA 311/312: None reportable.

SARA 313: None reportable.

STATE RIGHT-TO-KNOW: To the best of our knowledge, this product contains no chemical known to the State of California to cause cancer, birth defects, or other reproductive harm. (California Health and Safety Code Section 25249.6).

SECTION 16 – OTHER INFORMATION

NPCA/HMIS RATINGS

Health:	1
Flammability:	1
Reactivity:	0
Personal Protection:	-

WARNING

EPS FOAM IS FLAMMABLE. MODIFIED EPS LIKE MOST PLASTIC FOAMS IS FLAMMABLE. DO NOT EXPOSE EPS TO OPEN FLAMES OR OTHER DIRECT OR INDIRECT HIGH TEMPERATURE IGNITION SOURCES SUCH AS BURNING OPERATIONS, WELDING, BURNING CIGARETTES, SPACE HEATERS OR NAKED LIGHTS. WHEN BURNING, EPS WILL CONSUME OXYGEN, RELEASING GREAT HEAT AND SMOKE AND POTENTIALLY TOXIC GASES SUCH AS CARBON MONOXIDE AND CARBON DIOXIDE. DO NOT USE, INSTALL OR STORE EPA EXCEPT IN STRICT COMPLIANCE WITH BOCA, ICBO OR SBCCI CODES, AS WELL AS ANY FIRE-RELATED LAWS/ORDINANCES. FAILURE TO COMPLY WITH THESE CODES/LAWS MAY INCREASE THE RISK OF FIRE AND RESULT IN PERSONAL INJURY OR PROPERTY DAMAGE FROM SMOKE, FLAMES OR WATER.

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