



Physical Properties

Appearance Brown black liquid	Flash Point >212° F	Solids By Weight 68%
Application Temperature 40° F and rising	Maximum Insulation Board Size 4' x 4'	Specific Gravity @ 77° F (25°C) 1.03
Base Rubber modified asphalt emulsion	Maximum VOC 2 g/l	Weight Per Gallon 8.6 lbs
Color Black when dry	Maximum VOS 0.01 lbs/gal	

Approvals and Certifications

UL listed for use with Class A, B, and C roofing systems.

UL listed for wind up-lift ratings over steel, concrete, lightweight fills, and plywood.

FM listed for wind up-lift ratings over concrete and insulation to insulation.

CAUTION: Do not use Henry # 111 InsulBond® to adhere Polyisocyanurate (ISO) roof insulation boards that use a cellulose based facer. The only ISO roof insulation boards approved for use with Henry # 111 InsulBond® are: Atlas AC Foam III and Rmax Ultra Max.

Consult Henry Representative for specific assembly ratings and requirements. (800) 486-1278

See Henry Roofing Manual for Detailed Roofing, Reroofing, and Roof Maintenance & Restoration Specifications.

Manufactured to be Dade County Compliant.



Description

HE111 - INSULBOND® is a water based, solvent-free, rubberized asphalt adhesive for most types of roof insulation including tapered systems. Non-flammable during application. Water resistant when cured. Excellent bond strength. Excellent low temperature flexibility.

Usage

HE111 - INSULBOND® is recommended for laminating solvent-sensitive Expanded Polystyrene (EPS) and Extruded Polystyrene (XEPS) boards and for adhering Henry Re-Cover Board and most board-type roof insulations to each other and to a variety of substrates. These uses include plywood, concrete, steel, and most well-bonded roof coatings. Apply material using trowel, brush, roller, or suitable spray equipment.

Coverage

Coverage is from 2 - 2 1/2 gallons per 100 square feet.

Surface Preparation

Do not prime roof deck. Remove rust and scale from metal surfaces by wire brushing. Sweep area thoroughly to remove all dust, dirt and debris. Galvanized steel decks may be scrubbed with white vinegar and then thoroughly rinsed. All surfaces must be clean, dry, stable, and free of projections that would prohibit solid contact. Remove grease, water repellents, or some curing agents which might interfere with a good bond. If necessary, brush with TSP solution (1 - 1 1/2 lbs of TSP in 5 gallons of water) and rinse thoroughly. Maximum recommended insulation board size is 4' x 4'. Insulation stops recommended on sloped roofs. Not suitable for some steep slope applications--consult with Henry Technical Services. Not for use with fiberglass insulation.

Application

To identify the correct method for your particular combination materials, refer to the Application Method Reference Chart which is available at the Henry Technical Services Department.

All insulation must be installed with the joints of successive rows staggered by at least 6" from each other, and by at least 6" in all directions from the joints of the underlying insulation boards.

TYPE "A"--WET APPLICATION METHOD

Apply **INSULBOND®** at a rate of 2 - 2 1/2 gallons per 100 square feet to the substrate or previous layer of insulation using trowel, brush, notched squeegee, or heavy duty spray equipment. Apply as parallel or serpentine stripes 1/2" diameter or 1 1/2" wide by 3/16" thick--6" apart (on steel decks one per flange). Allow no more than 10 - 20 minutes or air exposure prior to setting the insulation into the wet adhesive and walking it in. May also be applied in spots.

TYPE "B"--CONTACT APPLICATION METHOD

Apply **INSULBOND®** at a rate of 1 - 1 1/4 gallons per 100 square feet to each of the two surfaces to be joined--that is, to both the previous layer of insulation and the following layer--using trowel, brush, roller, or heavy duty spray equipment.

Allow the adhesive to cure completely--typically 20 minutes to 3 hours, depending on the temperature and humidity. Test by pressing finger onto dried adhesive; if it is fully cured it will tear the insulation when you lift your finger. Carefully position the insulation board above the previous layer, set in place, and walk it in. **NOTE:** As with all contact adhesives, bonding occurs instantly! It is critical that each board be carefully positioned before the surfaces are allowed to touch.

Precautions

PROTECT FROM FREEZING! Substrate and air temperature must be above 40° F and rising. Do not apply if temperature is expected to drop below 40° F within at least 24 hours. For best results, store adhesive and insulation materials at 70° F before installation. Do not heat container or store above 120° F. Adhesive is water sensitive until fully cured. Adhesive is not affected by rain or freezing after drying, but do not use as an exposed coating. When transporting this product, be sure the pail is secured and the lid is tight. Do not allow pail to tumble as this may loosen the lid and allow leakage to occur.

Cleanup

Clean wet adhesive from tools with soap and water. Keep tools in water before using and when not in use. Use paint thinner for dried adhesive. Clean hands with a waterless hand cleaner.

Caution

CAUTION! Do not heat container or store at temperatures greater than 120° F. Close container after each use. **DO NOT TAKE INTERNALLY!** Use protective measures to avoid contact with eyes and skin. **If swallowed, CALL PHYSICIAN IMMEDIATELY!** **In case of eye contact**, open eyelids wide and flush immediately with plenty of water for at least 15 minutes. In case of accidental injection by power spray equipment, **GET MEDICAL ATTENTION IMMEDIATELY!** Dispose of container and unused contents in accordance with Local, State and Federal regulations. **KEEP OUT OF REACH OF CHILDREN! DO NOT ALLOW THIS PRODUCT TO FREEZE!**

WARNING:

This product contains detectable amounts of chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

EMPLOYERS should obtain a copy of the **Material Safety Data Sheet (MSDS)** from your supplier or directly from Henry at the toll free number or website below.

Product Sizes

Limited Warranty

We, the manufacturer, warrant only that this product is free of defects, since many factors which affect the results obtained from this product - such as weather, workmanship, equipment utilized and prior condition of the substrate - are all beyond our control. We will replace at no charge any product proved to be defective within 12 months of purchase, provided it has been applied in accordance with our written directions for uses we recommended as suitable for this product. Proof of purchase must be provided. **DISCLAIMER OF WARRANTIES AND LIMITATION OF LIABILITY: THIS LIMITED WARRANTY IS IN LIEU OF ANY OTHER WARRANTIES EXPRESS OR IMPLIED INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FOR A PARTICULAR PURPOSE. MANUFACTURER SHALL HAVE NO LIABILITY OF ANY KIND BEYOND PRODUCT REPLACEMENT, INCLUDING FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES RESULTING FROM ANY DEFECTS OR ANY DELAYS CAUSED BY REPLACEMENT OR OTHERWISE. THIS LIMITED WARRANTY PROVIDES THE PURCHASER'S EXCLUSIVE REMEDY FOR ANY DEFECT IN THE PRODUCT.**