

DESCRIPTION

Insul-Lock HR is a high-strength, two-component polyurethane adhesive engineered for the secure attachment of approved roof insulations and coverboards.

SURFACE PREPARATION

All work surfaces should be clean, dry, and free of dirt, dust, debris, oils, loose gravel, and other contaminants that may result in a surface that is not sound or is uneven.

APPLICATION

1. With a utility knife, remove the molded tips at the groove from the cartridge mixing head.
2. Attach a mixing tip to the threaded mixing head.
3. Place the cartridge into the appropriate applicator.
4. Apply Insul-Lock HR directly to the substrate, using a ribbon pattern. Space ¼" to ½" (12.7mm) wide beads, 12" (300mm) o.c., to achieve proper coverage rates for insulation attachment. As adhesive is applied, immediately place insulation board into wet adhesive. Do not allow the adhesive to skin over. Eliminate un-even surfaces as much as possible to ensure positive contact between the insulation board and substrate.
*Note: For specific zone coverage rates, reference adhesive details or contact your local Garland representative.
5. Unused material can be applied at a later date by simply plugging the cartridges (with provided half moon plugs) and using a new mixing tip.

(a) Insul-Lock HR Application To Gravel Surface Roof

1. Before any recover applications take place, you must do an infrared scan of the roof to insure all wet insulation is removed prior to using Insul-Lock HR.
2. Existing roof must be completely cleaned of any loose debris or loose gravel. This will require wet vacuuming the roof surface; it will then be necessary to allow the roof surface to dry completely before priming the surface or adhering any insulation boards.
3. The existing roof must be inspected for any defects or blisters in the felts or membrane. These areas must be cut out and repaired properly to create a flat surface to place insulation boards.
4. An adhesion test may be required to uneven surfaces. The adhesion test will entail bonding down a piece of the specified insulation with Insul-Lock HR, allowing it to set up for approximately one to two hours, and lifting the board using manual force to verify mode of failure and to check for adhesion qualities. If the insulation pulls away from the substrate and the adhesive stays attached to the substrate the adhesion will be acceptable.

5. The roof surface must then be blown off with a power blower.
6. When using Insul-Lock HR over gravel surfaces, these surfaces must be primed using Insul-Lock HR Universal Primer.
7. Due to anticipated surface irregularities of a gravel surface roof, the application will require more adhesive than our standard rates. The standard rate is 600 sq.ft. (55.7 m²) per case. Anticipated coverage rates for gravel surfaces will be in the range of 300 to 400 sq.ft. (27.9 m² to 37.2 m²) per case.

(a) Insul-Lock HR Application To Aged Sbs Modified Bitumen Membranes And Highly Oxidized Smooth Surfaced Built-Up Roofs

1. Before any recover applications take place, you must do an infrared scan of the roof to insure all wet insulation is removed prior to using Insul-Lock HR.
2. Existing modified membrane roofs must be completely clean of any loose debris and granules. This may involve wet vacuuming, power brooming, or a combination of both. It will be necessary to allow the roof surface to dry completely before adhering any boards with Insul-Lock HR.
3. The existing roof must be inspected for any defects or blisters in the felts or membrane. These areas must be cut out and repaired properly to create a flat surface upon which to adhere insulation boards.
4. If the roof surface has been treated with a coating, an adhesion test will be required. The adhesion test will entail bonding down a piece of the specified insulation with Insul-Lock HR, allowing it to set up for approximately one to two hours, and lifting the board using manual force to verify mode of failure and to check for adhesion qualities.
5. When using Insul-Lock HR over aged SBS modified bitumen membranes and highly oxidized smooth surfaces, these surfaces must be primed using Insul-Lock HR Universal Primer.
6. Due to anticipated surface irregularities of an existing roof, the application may require more adhesive than our standard rates.

WEATHER CONDITIONS

Insul-Lock HR must be kept at temperatures between 65°F - 85°F (18°C - 29°C) 24 hours prior to use. When the adhesive is exposed to cold, it can alter the mix and slow the set time. It will also affect the expected coverage rates if not brought up to recommended application temperatures. In the event that the adhesive is exposed to cooler temperatures, it must be brought back up to recommended application temperatures prior to use.

STORAGE

Keep temperature of contents between 65° - 85° F (18°-29° C), 24 hours before use. Do not store in direct sunlight or high temperatures of 90° F (32° C) and rising.

For more information, visit us at: www.garlandco.com

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