

Deck Grabber® E HR

One-Step, High Rise Roof Insulation Polyisocyanurate Insulation



PRODUCT OVERVIEW & FEATURES

Deck Grabber E HR is a highly elastomeric, one-step, VOC compliant, high rise roof insulation adhesive that contains no solvents and an industry-leading 45% rapidly renewable material content that sets in minutes. Deck Grabber E HR is designed to give you the benefits of a two-component insulation adhesive without the errors of improper mixing. Deck Grabber E HR was designed for bonding approved roof insulations to a building's structural roof deck, base sheets, other insulation boards, smooth and mineral roof systems or properly prepared coal tar and asphalt graveled built-up roof surfaces.

APPLICATION

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

Prior to the application of Deck Grabber E HR over gravel, mineral re-cover, or aged coal tar applications, be sure to remove all gravel and/or debris. Then, apply Millennium Universal Primer at a rate of 150 – 250 sq. ft. (13.94 – 23.23 m²) per gallon. After the surface has been primed, Deck Grabber E HR is applied at a rate of 600 sq. ft. (55.74 m²) per case. Over irregular surfaces (gravel), the coverage rate will vary and may be reduced to 300 – 400 sq. ft. (27.87 – 37.16 m²) per case. Perimeters and corners require more adhesive; see application guide.

Snap off the molded cap on the top of the adhesive cartridge and screw on the mixing tip. Attach a mixing tip to the threaded mixing head. Place the cartridge into the appropriate Deck Grabber E HR applicator. Apply Deck Grabber E HR adhesive directly to the substrate, using a ribbon pattern. Space 1/4 in. – 1/2 in. (0.64 cm – 1.27cm) wide beads, 12 in. (30.5 cm) o.c., to achieve proper coverage rates for insulation attachment. As Deck Grabber E HR adhesive is applied, immediately place insulation board into wet adhesive. Do not allow the adhesive to skin over. Eliminate uneven surfaces to ensure positive contact between the insulation board and substrate. Unused material can be applied at a later date by simply plugging the cartridges (with provided half moon plugs) and using a new Deck Grabber E HR cartridge tip.

Approved Decks

- Structural concrete
- Gypsum with nailed base sheet
- Tectum with nailed base sheet

- Steel
- Lightweight concrete with nailed base sheet
- Treated wood with nailed base sheet

Approved Insulation

- Wood Fiber
- Polyisocyanurate
- Perlite (min 3/4 in.)
- Polystyrene
- SecuRock
- DensDeck

Please see the most current Factory Mutual RoofNav for the most up-to-date system approval.

STORAGE

Deck Grabber E HR insulation adhesive has a shelf life of 12 months. Deck Grabber E HR should be stored at room temperature 65°F – 85°F (18.3°C – 29.4°C) for at least 24 hours prior to using the product.

WARNINGS AND LIMITATIONS

- Do not apply to a wet surface
- Not recommended for use with insulation boards larger than 4 ft. x 4 ft. (1.22 m x 1.22 m)
- Do not use warped or curled insulation boards. All insulation boards must lay flat upon the roof surface
- Do not apply Deck Grabber E HR adhesive over a smooth or sanded APP or single-ply roof surface



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Data Sheet



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DATA & TESTING

Tensile Strength (ASTM D 412)	250 psi
Density (ASTM D 1875)	8.5 lbs./gal. (3.86 kg/L)
Viscosity (ASTM D 2556)	22,000 – 60,000 cP
Peel Strength (ASTM D 903)	17 lb./in. (7.71 kg/L)
Flexibility (ASTM D 816)	Pass @ -70°F (-56.7°C)
Shelf life	1 Year
VOC	0 g/l
Rapidly Renewable Content	45%
Packaging 4 Cartridges/Case	50.7oz. (1.5 L) per cartridge

COVERAGE RATES

Existing Roof Surface	Board Size	Bead Size
Smooth 600 sq. ft. (55.74m²)/Case	4 x 4	1/4 in. – 1/2 in. (0.64 cm – 1.27 cm) beads 12 in. (30.5 cm) o.c.
Irregular 300 to 400 sq. ft. (27.87 – 37.16 m²)/Case Coverage rates may vary	4 x 4	1/4 in. – 1/2 in. (0.64 cm – 1.27 cm) beads 12 in. (30.5 cm) o.c.

For specific recommendations and coverage rates, please contact your local Representative or Technical Service Department.



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