

**GenFlex One Step
Insulation Adhesive**

DESCRIPTION

GenFlex One Step Insulation Adhesive is a highly elastic, two component chemical curing insulation adhesive designed to adhere various roof insulations to approved decks. Each unit consists of a Part A (Isocyanurate) and Part B (Polyol) that is dispensed with a one step applicator. During the application, each component is extruded through a static mixer which blends the two components into a bead. One Step Insulation Adhesive is packaged with four (4) 1.5 L cartridges per case and includes eight (8) static mixing wands.

PHYSICAL PROPERTIES

PROPERTY	TYPICAL VALUES
Material	
Part A	Isocyanurate Pre-polymer
Part B	Polyol
Color	Light Amber
Weight/Carton	20 lb (9.07 kg)

INSTALLATION

- All work surfaces should be clean, dry, and free from dust, dirt, oils, loose and/or embedded gravel, failed coatings, deteriorated membrane, and other contaminants that may result in a surface that is not sound. Eliminate uneven surfaces to ensure positive contact between the insulation board and substrate.
- Use a utility knife to remove the molded tips at the groove from the One Step mixing head.
- Attach a static mixing tube to the threaded mixing head of the adhesive while holding upright.
- Apply One Step adhesive directly to the substrate using a ribbon pattern by advancing the dispensing plunger. Space ½" (12.7 mm) beads 12" (304.8 mm) O.C. to achieve proper coverage rates for insulation attachment.
- Place insulation immediately into wet adhesive. Do not allow the adhesive to skin over.**
- Ambient temperatures should be 35°F (2°C) or higher during application.
- Each insulation board should be weighted down to ensure proper contact and adhesion to the substrate.
- Unused material can be applied at a later date by simply replacing the One Step mixing tip.

APPLICATION PRECAUTIONS

- Approved Insulations:
 - Isocyanurate
 - HD Wood Fiber
 - Gypsum Board
 - Expanded or Extruded Polystyrene
- Approved Substrates:
 - Structural Concrete
 - 22 Gauge (min.) Steel.
 - Gypsum
 - Cementitious Wood Fiber
 - Base Sheets (ASTM D4601 Type II)
 - Multi-layer applications of approved insulation types
 - Re-roof applications on smooth built-up roof.
 - Modified Bitumen (Granule Surface)



EQUIPMENT

- The following are approved for product application:
- One Step Manual Single Bead Applicator
 - One Step Pneumatic Single Bead Applicator
 - One Step Battery Powered Single Bead Applicator
 - One Step Multi-Bead Applicator

SPECIAL NOTES

Pull tests may be required on existing decks (e.g., structural concrete, Gypsum).
Fresh asphalt surfaces and contaminated substrates need to be pre-treated with a surface treatment or primer. Please contact GenFlex Roofing Systems Technical Service for additional product information.

LIMITATIONS

- Do not apply to wet surfaces.
- Unlimited slope limitation
- Maximum board size is 4' X 4' (1.22 m X 1.22 m)
- Application temperatures: 35°F (2°C) and rising
- Lower temperatures will affect rise time of adhesive.

PRODUCT DATA

GenFlex Product #: 10132

Coverage Rates:

O.C. Bead Per Case (4) 1.5 L Cartridges per Case	
12" = 600 ft ²	304.8 mm = 55.74 m ²
6" = 300 ft ²	152.4 mm = 27.87 m ²
4" = 200 ft ²	101.6 mm = 18.58 m ²



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PRODUCT DATA SHEET

GenFlex One Step Insulation Adhesive

LEED INFORMATION

Recycled Content

Post Consumer 0%

Post Industrial 0%

V.O.C. Content 0 g/L

STORAGE

Store indoors in original unopened containers at a temperature between 60°F and 80°F (16°C and 27°C) for maximum shelf life. Do not store on roof in direct sunlight. When exposed to lower temperatures, restore to room temperature prior to use.

SHELF LIFE

12 months; shelf life will be shortened if exposed to elevated temperatures.

PRECAUTIONARY DATA

To avoid sources of punctures and physical damage, take care when moving, transporting, or handling.

Refer to Material Safety Data Sheet for additional information.