



TRI-BUILT® ONE STEP PUMP GRADE ADHESIVE

DESCRIPTION

TRI-BUILT® Pump Grade Insulation Adhesive is a two component, VOC free, all purpose, low rise, bulk packaged, polyurethane foamable adhesive that contains no solvents and sets in minutes. TRI-BUILT® Insulation Adhesive is dispensed through an approved low pressure pump cart which equally mixes Part 1 and Part 2 of the adhesive, thus providing a quality, consistent application each time.

BASIC USE

It is designed for use as an adhesive for bonding approved roof insulations to a building's structural roof deck, base sheets, other insulation boards, and smooth or graveled built-up roof sur-faces. It is dispensed in 1/2" to 3/4" (1.3cm - 1.9cm) wide liquid beads that will quickly spread to a width of 2-3 inches.

APPROVED INSULATIONS & SUBSTRATES

- Polyisocyanurate
- Perlite
- Polystyrene
- Gypsum cover boards
- Asphaltic cover boards
- Concrete
- Gypsum
- Lightweight insulating concrete
- Wood or steel(sanded or granule surfaced)
- Approved insulations (multi-layer applications)
- Smooth or gravel surface built-up roof

FEATURES & BENEFITS

- Replaces fasteners
- Low rise foam
- Solvent free
- Minimizes penetrations and deck corrosion
- Accommodates minor surface irregularities
- VOC free, no odor



PACKAGING & COVERAGE

TRI-BUILT® Pump Grade Insulation Adhesive is available in the following packages:

Size	Sets
5 gal (18.9 L) box, Part 1 (A)	18
5 gal (18.9 L) box, Part 2 (B)	18
15 gal (56.7 L) drum, Part 1 (A)	4
15 gal (56.7 L) drum, Part 2 (B)	4

Part 1 and Part 2 mixed through an approved low pressure pump cart will produce the following coverage rates:
 5 Gallon (18.9L) Kit: 2,000 - 3,000 sq ft (232m² - 279m²)
 15 Gallon (56.7L) Kit: 7,500 - 9,000 sq ft (697m² - 836m²).

Coverage estimates indicate total square feet of insulation attach-ment per kit. Rates are based on an application pattern of 4 (four) 1/2" - 3/4" (1.3cm - 1.9cm) ribbons spaced 12" (30cm) o.c. per 4' x 4' (1.2m x 1.2m) insulation board.

NOTE: A 1/2" - 3/4" (1.3cm - 1.9cm) wide uncured adhesive bead will produce a 2" - 3" (5.1cm- 7.6cm) wide cured adhesive bead that will rise approximately 3/4" - 1" (1.9cm - 2.5cm) above the substrate. Coverage rates may vary when used over irregular surfaces and will vary depending on roughness.

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SURFACE PREPARATION

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

1. Extend quick connect spouts in Part 1 and Part 2 box packaging.
2. When using pails, invert box and place in tray on the Cyclone or Cyclone II pump. Box labeled part 1 must be in area of tray labeled "part 1" and part 2 in area labeled "part 2".
3. If pails are used, holding tanks as recommended by pump manufacturer. Part 1 and Part 2 must be equally mixed. If drums are used, follow all recommendations provided by pump manufacturer.
4. When using Cyclone or Cyclone II Pump machines, connect the black Part 1 to the black feed hose. Connect the gray Part 2 to the gray feed hose. Operate pump according to manufacturer's instructions.
5. Apply TRI-BUILT® Insulation Adhesive directly to the substrate using a ribbon pattern. Space beads 12" (30.5cm) o.c. to achieve proper coverage rates for insulation attachment.
6. TRI-BUILT® Insulation Adhesive should be approximately 700 F (220C) when being dispensed. As adhesive is applied, allow to begin rising, then place insulation board into the adhesive. Eliminate uneven surfaces to ensure positive contact between the adhesive, insulation board, and substrate.
7. Unused material can be applied at a later date. Properly clean dispensing wand and pump unit according to the pump manufacturer's recommendations.

RECOMMENDED EQUIPMENT

- Cyclone and Cyclone II Pump machines
- Graco E-10 Reactor
- Graco Predator
- Adhesives Systems Technology GMP-075
- Adhesives Systems Technology PCH GMP-500F



SAFETY

Prior to working with this or any product consult product label and Safety Data Sheet (SDS) for necessary health and safety precautions.

LIMITATIONS

- Do not apply to wet surface.
- Not recommended for use with insulation boards larger than 4' x 4' (1.2m x 1.2m).
- Do not use warped or curled insulation boards.
- All insulation boards must lay flat upon the roof surface.
- Do not apply when temperatures are below 40°F (5°C).

STORAGE

Keep temperature of contents between 45°F-95°F (7°C-35°C). Bring temperature of material to approximately 70°F (22°C) just before use. Do not store in direct sunlight or above 95°F (35°C). Store boxes valve side up. Keep from freezing!