

Millennium PG-1 Pump Grade Adhesive

Description

Millennium PG-1 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.

Application is quick and easy resulting in significant labor savings for the contractor. PG-1 Insulation Adhesive is dispensed through the Millennium Cyclone and Cyclone II pump carts, or 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

PG-1 Insulation Adhesive 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 surfaces. 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. PG-1 Insulation Adhesive will expand and rise to fill minor surface irregularities.

Approved Insulations and Substrates

- HD wood fiber
- Polyisocyanurate
- Perlite
- Polystyrene
- Gypsum cover boards
- Asphaltic cover boards
- Concrete
- Gypsum
- Cementitious wood fiber
- Lightweight insulating concrete
- Wood or steel
- Modified bitumen membranes and base sheets (sanded or granule surfaced)
- Approved insulations (multi-layer applications)
- Smooth or gravel surface built-up roof (re-roof applications)

For a complete list of approved substrates and insulation types, or for additional information, contact our Technical Department.

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!



Features

- Replaces fasteners
- Low rise foam
- Solvent free

Benefits

- Minimizes penetrations and deck corrosion
- Accommodates minor surface irregularities
- VOC free, no odor

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.

For re-cover applications apply Millennium Universal Primer prior to the application of PG-1 Insulation Adhesive. For applications over fresh and/or non-oxidized asphalt, coal tar or plastic film membranes, apply Millennium Surface Treatment prior to the application of PG-1 Insulation Adhesive.

Safety

Prior to working with this or any product consult product label and Material Safety Data Sheet (MSDS) 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).

CAUTION: All statements and technical information in this document are based on tests or data that ADCO believes is reliable. However, ADCO does not warrant or guarantee the accuracy or completeness of this information. The user has sole knowledge and control of factors that can affect the performance of ADCO's products in the user's intended application. It is the user's responsibility to conduct tests to determine the compatibility of ADCO's product with the design, structure, and materials of the user's end product and the suitability of ADCO's product for the user's method of application and intended use. The user assumes all risk and liability arising out of such use.

Application

1. Extend quick connect spouts in Part 1 and Part 2 box packaging. When using pails stir contents before material is poured into the holding tanks on approved pump machine.
2. Invert box and place in tray on the Millennium 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, fill 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 the Millennium Cyclone or Cyclone II, connect the black Part 1 fitting to the black feed hose fitting. Connect the gray Part 2 fitting to the gray feed hose fitting. Operate pump according to manufacturer's instructions.
5. Apply PG-1 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. PG-1 Insulation Adhesive should be approximately 70° F (22°C) when being dispensed. As adhesive is applied, allow to begin rising, then place insulation board into the adhesive. Prior to installing insulation do not allow the adhesive to skin over. 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.



Packaging and Coverage

Millennium PG-1 Pump Grade Insulation Adhesive is available in the following packages:

Size	Part #	Sets/Pallet
5 gal (18.9L) box, Part 1 (A)	PG-IA5B-A01	> 18
5 gal (18.9L) box, Part 2 (B)	PG-IA5B-B01	> 18
5 gal (18.9L) pail, Part 1 (A)	PG-IA5P-A01	> 18
5 gal (18.9L) pail, Part 2 (B)	PG-IA5P-B01	> 18
50 gal (189L) drum, Part 1 (A)	PG-IADR-A01	> 1
50 gal (189L) drum, Part 2 (B)	PG-IADR-B01	> 1

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 - 2,500 sq ft (186m² - 232m²)
 50 gallon (189L) Kit: 20,000 - 25,000 sq ft (1,860m² - 2,322m²)

Coverage estimates indicate total square feet of insulation attachment 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.

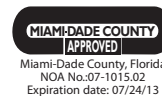
Equipment

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

For a complete list of approved low pressure pump carts, or additional information, contact our Technical Department.

Color

Off white-light amber



Code #0029-1209

WARRANTY: ADCO warrants its products to conform to ADCO's specifications at the time of sale when tested according to ADCO standards. If a product is proven to be defective when tested according to ADCO standards, ADCO will, at its option, refund the purchase price or replace or repair the defective product. THIS LIMITED WARRANTY IS THE BUYERS SOLE AND EXCLUSIVE REMEDY AGAINST ADCO AND IS IN LIEU OF ANY AND ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. In no event shall ADCO be liable for any special, incidental, consequential, or punitive damages arising out of any claims whether based on negligence, contract, warranty, strict liability or otherwise.