

DERBIBOND PG

Pump Grade Insulation Adhesive

Product Description

- ▶ DERBIBOND PG 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. DERBIBOND PG 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.

Special Characteristics

- ▶ Better Than Fasteners
 - No damage to structural decking
 - Eliminates fastener back out
 - No noise associated with drilling in concrete
 - No unsightly fasteners on exposed decks
 - No fastener or deck corrosion
 - Saves labor
- ▶ Low Rise Foam
 - Eliminates minor surface irregularities
- ▶ No Solvents
 - Low odor
 - VOC free
 - No flame hazards
 - 100% solids

Basic Use

DERBIBOND PG 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" (1.27cm - 1.91cm) wide liquid beads that will quickly spread to a width of 2-3 inches. DERBIGUM PG Insulation Adhesive will expand and rise to fill minor surface irregularities.

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 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. 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 Insulation Adhesive directly to the substrate, using a ribbon pattern. Space beads 12" o.c., to achieve proper coverage rates for insulation attachment.
6. 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 adhesive. 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 pump manufacturer's recommendations.





DERBIBOND PG - Pump Grade Insulation
Adhesive eliminates the need for mechanical fasteners

SAFETY

Prior to working with any product, be sure to read labels and the Material Safety Data Sheet (MSDS). Take necessary health and safety precautions.

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 high temperatures 95°F (35°C) and higher. Store boxes valve side up. **KEEP FROM FREEZING**

SURFACE PREPARATION

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

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

LIMITATIONS

- Do not apply to a 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)

APPROVED INSULATIONS AND SUBSTRATES

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

PACKAGING AND COVERAGE

Complete Kit:

Part 1 (A) - 5 gallon (18.9L) box

Part 2 (B) - 5 gallon (18.9L) box

Part 1 (A) - 50 gallon (189L) drum

Part 2 (B) - 50 gallon (189L) drum

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.
(1860m² - 2322m²)

Coverage estimates indicate total sq. ft. of insulation attachment per kit. Rates are based on an application pattern of 4 (four) 1/2" - 3/4" (1.27 - 1.91cm) ribbons spaced 12" (30cm) o.c. per 4' x 4' (1.2m x 1.2m) insulation board.

NOTE: A 1/2" - 3/4" (1.27cm - 1.91cm) wide uncured adhesive bead will produce a 2" - 3" (5.08cm - 7.62cm) wide cured adhesive bead that will rise approximately 3/4" - 1" (1.91cm - 2.54cm) above the substrate. Coverage rates may vary when used over irregular surfaces and will vary depending on roughness.

EQUIPMENT OPTIONS

- Millennium Cyclone & 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.



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MAKING BUILDINGS SMART

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