

Millennium PG-1 Adhesive

Product Description:

Millennium PG-1 is a solvent free, low viscosity, two-component, essentially VOC free, all purpose, low rise, polyurethane foam adhesive designed to adhere IB approved insulation, cover board and thermal barrier boards and IB Fleeceback PVC to a variety of roof substrates in both new and reroof applications.

Packaging:

4 - 1.5 L dual cartridges per case
5-gal kit – Includes Part A & Part B
15-gal drums – Includes Part A & Part B
50-gal drums – Includes Part A & Part B

Features:

- Non-penetrating attachment system
- Low VOC
- Reduces construction noise
- Rapid application

Approximate Coverage* and Weight

Product	Weight		Ribbon Coverage*
			0.75" – 1.0" bead, @ 12" o.c.
PG-1 (1.5L cartridge)	Case (4) 18 lbs		400-600 sq. ft.
PG-1 (5-gal)	A	B	2,000-2,500 sq. ft.
	54 lbs	46 lbs	
PG-1 (15-gal)	A	B	6,000-7,500 sq. ft.
	174 lbs	150 lbs	
PG-1 (50-gal)	A	B	20,000-25,000 sq. ft.
	552 lbs	472 lbs	

*Coverage rates may vary based on ambient temperature, substrate condition and application methods used

Substrates¹:

- Minimum 1/2" Plywood
- Minimum 7/16" OSB
- Structural Concrete
- Gypsum
- Cellular Lightweight Insulating Concrete
- Cementitious Wood Fiber (Tectum)
- Approved Insulations
- Approved Cover Boards
- Smooth surface and Granular Asphalt BUR (aged)
- Smooth and Granular surfaced SBS Modified Bitumen
- Granular APP Modified Bitumen

¹Substrates and all surfaces must be clean, dry, and free of dirt, dust, debris, oils, loose and/or embedded gravel. IB Roof Systems recommends insulation adhesion pull tests in accordance with ANSI/SPRI IA-1 prior to beginning work to confirm acceptable uplift resistance.

Approvals:

Underwriters Laboratories, FM Approvals, Miami-Dade County and Florida Building Code Product Approvals. Refer to individual assembly approvals for additional information and requirements.

Temperature Guidelines/Storage & Handling:

Store in a dry area. Protect from freezing. Optimum chemical storage temperature is 45-95°F (7-35°C). Internal Chemical Temperature at Application: Warm or cool product temperature to 70-90°F/20-32°C prior to use. Outside Application Temperature / Ambient is 40°F (4°C) and rising. Substrate Surface Temperature Range: 40-100°F (4-38°C). Temperatures above or below Optimal Application range require additional monitoring and may

affect tack/cure times, adhesion performance and application rates.



Application:

Refer to IB Specifications and Construction Details for additional installation instructions. Millennium PG-1 adhesive can be used to install IB roof insulation and cover boards over approved dry, clean substrates. Installation over existing smooth or gravel surfaced asphalt roofs (gravel removed) requires additional preparation. Millennium Universal Primer is required over prepared (spudded or swept) gravel surfaced asphalt BUR, or smooth / granulated BUR or modified bitumen membranes. Millennium PG-1 adhesive can be used to install IB Fleeceback membrane to a variety of roof substrates including insulation boards, cover boards, structural concrete and approved, prepared existing smooth or granule surfaced modified bitumen or asphalt BUR roofs. Apply Millennium PG-1 Adhesive using appropriate dispensing equipment, directly to the substrate, using the roof membrane manufacturer's recommended ribbon pattern to achieve proper coverage rates. As adhesive is applied, allow to begin rising then place insulation board/membrane into wet adhesive and roll membrane with a weighted roller to ensure positive contact between insulation/membrane, adhesive and substrate. Do not allow the adhesive to skin over. Eliminate uneven surfaces to ensure positive contact between the insulation board and substrate. Read all instructions, Millennium Product Guidelines, and SDS prior to use of any product.

Limitations:

- Do not use when ambient, substrate or product temperatures are outside specified temperature ranges.
- Do not use during inclement weather, on wet surfaces or on any roof deck showing signs of deterioration or loss of structural integrity.
- Do not use after the expiration date.
- Approved existing roof surfaces must be clean, dry, smooth and adequately attached to resist wind loads.
- Not recommended for use with insulation boards larger than 4'x4'.
- Do not use warped or curled insulation boards. All insulation boards must lay flat upon the roof surface.
- Millennium Surface Treatment primer required over non-oxidized (fresh/glazed) asphalt or smooth APP membranes.