

PG 350 LV

LOW VOC MODIFIED BITUMEN ADHESIVE

PRODUCT DESCRIPTION

PG 350 LV is a low-VOC (Volatile Organic Compound) adhesive specifically engineered to serve as a cold-applied bonding agent. It is designed for secure attachment of SBS (Styrene-Butadiene-Styrene) modified bitumen base sheets as well as SBS modified bitumen cap sheets, whether smooth or granulated, ensuring strong adhesion without the need for heat or open flames. As part of the PG adhesive product line, PG 350 LV is designed for markets that emphasize sustainability and lower environmental impact.

USES

- Designed to apply SBS modified bitumen base sheets and SBS modified bitumen cap sheets to approved substrates such as structural concrete roof decks, existing smooth surface asphalt built-up roofs, certain roof insulations, glass fiber base sheets and other approved surfaces.
- Suitable for use as an adhesive for select APP sand backed membranes.
- Bonds gravel or mineral granules to BUR roof systems and modified cap sheets.
- Not recommended for use with thermoplastic or thermoset membranes.

FEATURES AND BENEFITS

- Adheres to substrate and superior lap shear adhesion.
- Flexible with cohesive properties.
- Eliminates the need for kettles and torches.
- Excellent 24 hour strength; fully cured after 30 days.
- Non-destructive to asphalt based roofing membranes.
- Low odor and asbestos free.

TYPICAL PHYSICAL PROPERTIES

TEST PROPERTY	TEST VALUE	TEST PROCEDURE
Weight/gal (lb)	7.8 – 8.5	ASTM D2939
Solids Weight (%)	> 80	ASTM D1644
Flash Point (°F)	> 105 PMCC	
VOC (g/l)	< 250	
Lap Shear Adhesion (lbf/in)	68	ASTM D3019, Type III

APPLICATION INSTRUCTIONS

Surface Preparation:

- Surfaces to receive coating must be clean, dry and free from any foreign matter such as dirt, oils, grease or other debris that could inhibit the adhesion capabilities of the newly installed products. Contact Polyglass Technical Services regarding any unusual substrates. Priming with a light coat of PG 100 Polyglass Fast-Drying Asphalt Primer may be needed. Allow primer to dry prior to application of PG 350 LV.
- On existing roofs, inspect roof substrate condition. Blisters, buckles, and raised edges should be cut out and repaired for a smooth surface.
- Check all flashings, edges, drains, valleys and vents and repair as needed.
- Do not use on wet or damp surfaces, directly over wood or on surfaces previously covered with coal tar based products.



APPLICABLE STANDARDS

- Meets or exceeds the requirements of ASTM D3019, Type III
- UL Classified – File #R14571



PACKAGING

- 2.75 Gallon (10.4 Liters) Pail
- 4.75 Gallon (17.9 Liters) Pail

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Application:

- Stir well prior to application.
- *Application Rate:* Approximately 1.5 – 2 gallons per square when applied to smooth to semi-smooth surfaces. Coverage rate may vary depending on ambient temperature, surface porosity, as well as applicator and/or application technique
- PG 350 LV may be applied by high pressure spray, notched squeegee, or brush application methods.
- *After Adhesive Application:* Apply membrane within 15 minutes of adhesive application. Unroll modified and base sheet rolls and allow them to relax prior to installation. Make sure that membrane is lying flat and making full contact with the adhesive. Roll all side and end laps making sure a sufficient amount of adhesive is applied so that a bead is visible at all lap edges.
- *Two Layer Application:* Install SBS base membrane in adhesive - wait three to seven hours to allow adhesive to set before installing the SBS cap membrane.
- *Slope Application:* The adhesive may be used on various slopes. Some slopes may require back-nailing. Please call Polyglass Technical Services should you have any questions on slope application.
- Apply only when ambient temperatures are 35°F and rising. Cold weather will cause product to stiffen, making application difficult.
- Do not apply if inclement weather is expected within 24 hours.
- Not recommended for application on substrates that exceed 140°F.
- Close air intakes on roof until solvents dissipate. Solvent vapor can penetrate porous substrates. Make sure there is proper outside ventilation for the underside of this type of roof deck.

Storage and Cleaning:

- Product shelf life: 24 months from date of manufacture when properly stored.
- Do not store at temperatures greater than 120°F.
- Store 24 hours at room temperature prior to application.
- Observe normal safeguards for storing and handling of this product prior to and during application.
- Do not allow product to freeze. Discard if frozen.
- Keep containers covered when not in use.
- Clean equipment and contaminated surfaces with kerosene or mineral spirits.
- Clean hands with waterless hand cleaner.

For Professional Use Only - Keep out of the reach of children.

MANUFACTURING FACILITIES

- Fernley, NV
- Hazleton, PA
- Phoenix, AZ
- Waco, TX
- Winter Haven, FL

CORPORATE HEADQUARTERS

Polyglass U.S.A., Inc.
1111 West Newport Center Drive
Deerfield Beach, FL 33442
www.polyglass.us

General Line: (888) 410-1375
(954) 233-1330

Customer Service: (800) 222-9782

Technical Service: (866) 794-9659

Questions? technical@polyglass.com

Product Disclaimer: Unless otherwise incorporated into or part of a supplemental manufacturer's warranty, Polyglass warrants its product(s) against manufacturing defects that result in the material not complying with product specifications for a period of 12 months.

Refer to safety data sheet (SDS) for specific data and handling of our products. All data furnished refers to standard production and is given in good faith within the applicable manufacturing and testing tolerances. The product user, and not Polyglass, is responsible for determining the suitability and compatibility of our products for the user's intended use.

For the most current product data and warranty information, visit www.polyglass.us



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