

PG 450 FLASHING CEMENT

PRODUCT DESCRIPTION

PG 450 is a general purpose formulation for use as a cold-applied flashing cement in many types of non-polymer modified roof membranes. PG 450 has a "trowel-grade" consistency which makes this product ideal for flashing details and a variety of waterproofing repairs, such as moving joints and roof penetrations. PG 450 has a superior formulation that will not separate.

USES

- Flashing cement for non-modified roofing membranes
- Repairing flashings, asphalt shingles, conventional built-up roofs, metal and masonry surfaces.
- Sealing leaks and openings at flashings (chimneys, vents, skylights, metal joints, gutters and similar objects used in constructing built-up flashings).
- Positive side damp proofing of concrete, masonry walls and foundations.
- Not recommended for use with polymer-modified bitumen, thermoplastic, or thermoset membranes.

FEATURES AND BENEFITS

- Pliable, will accommodate temperature-related expansion and contraction of the roof system.
- Provides exceptional weathering characteristics over a wide range of challenging temperatures and weather conditions. Will not mudcrack and will remain highly resilient and durable through all seasons
- Interlocking fiber matrix assures uniform, excellent adhesion
- Exhibits excellent sag resistance when used on vertical surfaces, even at high temperatures
- Non-destructive to asphalt based roofing membranes
- Asbestos free –100% recycled cellulose fibers

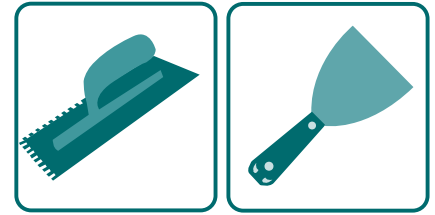
TYPICAL PHYSICAL PROPERTIES

TEST PROPERTY	TEST VALUE	TEST PROCEDURE
Weight/gal (lb)	9.3 - 9.8	ASTM D 2939
Cone Penetration (dmm)	245 - 330	ASTM D 312
Solids Weight (%)	> 75	ASTM D 1644
Flash Point (°F)	>105 °F	PMCC
VOC (gm/L)	<300	Sid method
Sag @ 140 °F	pass	ASTM D 6511
Pliability @ 32 °F	pass	ASTM D 6511

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. Priming is recommended when adhering to questionable conditions.
- 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

- Miami Dade County Approved
- Meets or exceeds the requirements of ASTM D 4586 Asphalt Roof Cement Type I



PACKAGING

4.75 Gallon (18.0 Liters) Pail

POLYGLASS U.S.A., INC. MANUFACTURING FACILITIES

- Fernley, NV
- Hazleton, PA
- Winter Haven, FL

CORPORATE HEADQUARTERS

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

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

Customer Service: (800) 222-9782

Technical Service: (866) 802-8017

Questions? pgmarketing@polyglass.com



www.polyglass.us

PG 450 FLASHING CEMENT

Application:

- **Application Rate:** Apply 1/8" coat (approximately eight gallons per square) to both surfaces. Coverage rate may vary depending on ambient temperature, surface porosity, as well as applicator and/or application technique.
- **Application Method:** Use notched trowel or wide-edged putty knife to apply cement evenly and in equal amounts to substrate and flashing. Coat should be 1/8" thick, without gaps, dry areas or bubbles.
- **Membrane Flashing:** No cure time before attaching flashing; simply press into place with even pressure, smoothing out wrinkles and bubbles. Coat underside of membrane with cement at rate indicated. Adhere membrane to cemented substrate and press into place working out any wrinkles or non-adhered areas. Roll all side and end laps, making sure a sufficient amount of adhesive is applied to the laps so that a bead of cement is visible at all lap edges. Mechanically fasten membrane flashings to parapet walls to avoid membrane slip - page.
- **Three Coursing:** Apply cement to surface and install fabric or webbing into cement, repeat method for desired courses. When finished, coat with another layer of cement. **Metal:** Set metal flanges in full bead of 1/8" thick cement. Apply cement between joints and apply pressure so that a bead of cement is visible at joint edge.
- **Sealing/Repairs:** Apply cement at a 1/8" to 1/4" thickness, working the cement into the opening or crack and spread beyond repair area approximately 2-4 inches. If repair area is over 1/4" wide or more than 2" long, embed glass or polyester fabric into the cement for added reinforcement, then cover with additional cement. If desired, repeat procedure for coursing application and feather each layer of fabric beyond underlying layer.
- Apply only when temperatures are 45° F and rising. Cold weather will cause product to stiffen, making application difficult.
- Do not heat container or attempt to thin this product. Not recommended for application on substrates that exceed 140° F.
- After a minimum of 30 days cure time, it is recommended that the applicator apply a Polyglass Aluminum roof coating. This will greatly extend the life of the cement.

Storage and Cleaning:

- Product shelf life: 24 months from date of manufacture when properly stored.
- Store unopened container 24 hours at room temperature prior to application.
- Observe normal safeguards for storing and handling of this product prior to and during application.
- Keep containers covered when not in use.
- Clean equipment and over spray with kerosene or mineral spirits.
- Clean hands with waterless hand cleaner.

WARNING

Combustible Liquid and Vapor - Contains petroleum distillate. Harmful or fatal if swallowed. Vapor harmful. May affect the brain or central nervous system causing dizziness, headache, or nausea. Causes nose and throat irritation. Causes eye and skin irritation. Reports have associated repeated and prolonged occupational exposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Keep away from heat and open flame.

Personal Protection - Irritation may result from prolonged or repeated contact with skin. Wear chemical resistant gloves, protective goggles and protective clothing, if needed.

Eye Contact - Rinse immediately with clean water for 15 minutes and seek medical advice.

Waste Disposal - Empty containers must be disposed of in accordance with local, state and federal regulations.

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

For Exterior Use Only

Refer to material safety data sheet (MSDS) for specific data and handling of our products.

All data furnished refers to standard production using manufacturing 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.