PG 500
MODIFIED CEMENT

PRODUCT DESCRIPTION

PG 500 is a high quality formulation suitable for use as a cold-applied bonding agent for SBS roofing systems as well as various other membrane systems. PG 500 has a heavy, "trowel-grade" consistency which makes it ideal for flashing details, attachment of membrane to steep slopes and parapet walls and a variety of waterproofing repairs. Its flexibility and elasticity make it superior to standard plastic cements especially where there are moving joints.

USES

- For applying SBS modified bitumen membrane flashing to parapet walls, curbs and roof penetrations
- For sealing lap seams and perimeter edges of SBS modified bitumen membranes
- This product may be used as a topical application on smooth or granule APP products for roofing repairs only
- For repairing splits, breaks and small holes in asphalt-based roofings and flashings
- For installing metal edge flanges and other metal joints
- Positive-side damp proofing of concrete, masonry walls and foundations
- Not recommended for use with thermoplastic or thermoset membranes

FEATURES AND BENEFITS

- High flexibility to accommodate temperature-related expansion and contraction of the roof system
- Great bonding strength
- Provides exceptional weathering characteristics over a wide range of challenging temperatures and weather conditions. Will not mudcrack and will remain highly flexible, resilient and durable through all seasons
- Eliminates the need for kettles and torches
- Interlocking fiber matrix assures uniform, excellent adhesion
- When used on a vertical surface at high temperatures, exhibits excellent flow resistance
- Non-destructive to asphalt based roofing membranes
- Asbestos free – 100% recycled cellulose fibers

APPLICABLE STANDARDS

- Meets or exceeds the requirements of ASTM D4586 Asphalt Roof Cement, Type I and ASTM D3409 Class I and Class II (adhesion to wet surfaces)
- Florida Building Code
- Miami-Dade County Product Control Approved

PACKAGING

- 10.1 oz (0.3 Liters) Cartridge
- 2.8 Gallon (10.6 Liters) Pail
- 4.75 Gallon (17.9 Liters) Pail

TYPICAL PHYSICAL PROPERTIES

TEST PROPERTY	TEST VALUE	TEST PROCEDURE
Weight/gal (lb)	9.0 – 9.5	ASTM D1475
Cone Penetration (dmm)	245 – 330	ASTM D312
Flash Point (°F)	> 105	PMCC
VOC (gm/L)	< 300	Calculated
Pliability @ 32°F	pass	ASTM D6511
Sag @ 140°F	pass	ASTM D6511
Solids Weight (%)	> 70	ASTM D1644

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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.

Application:

- *Application Rate:* Apply ⅛" coat (approximately eight gallons per square) depending on ambient temperature, surface porosity, as well as applicator and/or application technique.
- *Application Method:* Use pointed trowel or wide-edged putty knife to apply cement evenly and in equal amounts to substrate and flashing. Coat should be ⅛" thick, without gaps, dry areas or bubbles.
- *Membrane Flashing:* Coat underside of membrane with cement at rate indicated. No cure time required before flashing installation, simply press into place with even pressure, smoothing out wrinkles and bubbles. Roll all side and end laps, making sure a sufficient amount of product is applied to the laps so that a bead is visible at all lap edges. Mechanically fasten membrane flashings to parapet walls to avoid membrane slippage.
- *Coursing:* Apply cement to surface and install fabric or webbing into cement, then apply a final course of cement.
- *Metal:* Set metal flashings in full ⅛" bead. Apply product between joints and apply pressure so that bead is visible at joint edge.
- *Sealing/Repairs:* Apply cement at a thickness of ⅛" to ¼" working the product into the opening or crack and spread two inches beyond repair area at minimum. Embed glass or cotton fabric into the cement for added reinforcement, then cover with additional cement.
- Best suited when ambient temperatures are 45°F and rising. Cold weather will cause product to stiffen, making application more difficult.
- Do not heat exterior of container or attempt to thin this product. Not recommended for application on substrates that exceed 140°F.
- To greatly extend the life of the roof cement, it is recommended that the applicator apply a Polyglass Aluminum roof coating after a minimum of 30 days cure time.

Limitations:

- Do not use on TPO, EPDM, PVC, or other single ply membranes.
- Not to be installed over or under polystyrene insulation.
- Do not use this product under any APP or any torch products with burn off film.

Storage and Cleaning:

- Shelf life is 24 months if stored in original unopened containers.
- All containers should be sealed when not in use.
- Store between 40°F and 100°F.
- If temperatures are cold, store product in a heated area overnight.
- DO NOT HEAT WITH AN OPEN FLAME.
- Observe normal safeguards for storing and handling of this product prior to and during application.
- Clean equipment and overspray with water.
- Clean hands with waterless hand cleaner.
- Application tools and equipment can be cleaned with odorless mineral spirits solvent. Recirculate through lines and spray equipment guns until residual coating is removed.
- DO NOT USE WATER OR RECLAIMED SOLVENTS.

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

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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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