

ECO-GEM

HYBRID ELASTOMERIC ADHESIVE SEALANT

1. PRODUCT NAME

ECO-GEM

2. MANUFACTURER

Polygem, Inc.
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3. PRODUCT DESCRIPTION

ECO-GEM is a flexible one component, high modulus, mildew resistant multipurpose silyl- terminated hybrid elastomeric sealant and adhesive. This product is specifically formulated to offer all weather performance to meet today's Green Building Standards.

Advantages

- UV Stable
- Excellent Adhesion to PVC, Concrete, Glass, Aluminum, Glass, Painted Surfaces, Wood, Plywood, and Marble.
- Paintable
- No shrinking
- VOC Compliant
- No solvents or Isocyanates
- Resistant to most Chemicals

Uses

- Sealing Openings
- Exterior Surfaces, Roofing, Precast Concrete
- HVAC
- Plumbing Kitchen & Bath Countertops, Sanitary Seals, Industrial Gaskets, Appliance Trim & Parts
- Above Waterline Marine
- Cabins Seams

4. APPLICATION INSTRUCTIONS

1. Surface must be clean, dry, and free of dirt and oil. Do not apply if frost is present.
2. Cut tip to desired bead size. Dispense with caulking gun.
3. Apply sealant at 45° angle by pushing sealant ahead of nozzle.
4. Work material with putty knife or similar tool
5. Allow 30 minutes to touch; 24 hours for full cure and strength. Optimum adhesion is obtained in 7 to 10 days curing time.

Packaging

10.3 oz Single Cartridges

Shelf Life

Unopened containers are guaranteed for 1 year. Store in temperatures between 60°-80° F. Storing above 85° will reduce shelf life. Keep from freezing

Limitations

Not for use on wet or oily surfaces

Cautions

Wear chemical goggles and NIOSH approved respirator. Wear proper protective clothing and gloves to prevent direct contact of resins. Consult Material Safety Data Sheet for full listing protective requirements. ECO GEM may irritate eyes and skin. Avoid contact with eyes or prolonged contact with skin. For professional use only. Keep out of reach of children.

5. SPECIFICATIONS

ASTM C920 TYPE S, GRADE NS, CLASS 25, USE NT, A, M, G; TT-S-00230C, USD APPROVED, AAMA 808.3, 805.2, 803.3 (TYPE 1), 802.3 (TYPE II).

6. TECHNICAL DATA

Cure System	HYBRID
Physical Properties (cured)	Rubber
Specific Gravity	1.66
Extrusion Rate, g/min.	320
Temperature Range	-75-220F
Intermittent Temperature Range	250F
Skin Over Time(min)	20
Tack Over time (min)	40
Cure Time (hours)	24 @ 1/8"
Tensile Strength	225 psi
Elongation %	450-55
Durometer Shore A	46
Volatile Organic Content	18/gr./liter
Shelf Life (months)	12

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