

POLYBAC #1257

ALL-PURPOSE HIGH-STRENGTH EPOXY ANCHORING ADHESIVE

Data Sheet M-12

1. PRODUCT NAME

POLYBAC #1257
POLYJEXT#1257
HIGH-STRENGTH EPOXY ANCHORING ADHESIVE

2. MANUFACTURER

Polygem, Inc.
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3. PRODUCT DESCRIPTION

POLYBAC #1257 is a 100% solids non-sag gel viscosity epoxy specially formulated for use as general adhesive to provide the ultimate in adhesion to a variety of substrates. POLYBAC #1257 will bond to concrete, wood, fiberglass and metal surfaces. POLYBAC #1257 is moisture insensitive and resistant to most chemicals and solvents. POLYBAC #1257 is also excellent as a epoxy mortar grout for patching or filling large cavity anchoring holes.

Advantages

- NO VOC'S OR SOLVENTS
- EASY MIXING
- USER-FRIENDLY

Uses

For bonding or sealing concrete, wood, metal and fiberglass surfaces or mixed with aggregates for a hard durable surface. POLYBAC #1257 is ideal for use as:

- DOWEL BAR OR THREADED ROD ANCHORING
- HOLLOW BLOCK SLEEVE ANCHORING
- VERTICAL OR OVERHEAD APPLICATION
- CRACK REPAIR
- EPOXY MORTARS AND GROUTS

4. APPLICATION INSTRUCTIONS

- 1) POLYBAC #1257 can be applied by dual-cartridge or bulk applicators.
 - 2) Clean anchor hole by wire brushing the sides of the hole and vacuuming or blowing loose material from the hole.
 - 3) Follow dispensing instructions for the cartridge or bulk dispensing machine.
 - 4) Start filling the hole from the back towards the surface of the hole.
 - 5) Dispense enough material that there is a small amount of overflow when anchor is fully inserted.
- (Rule of thumb is anchor hole is to be a minimum of 9x's deep as the anchor diameter)

Packaging

POLYBAC #1257 is available 22 oz. dual cartridges, 2 gallon, 10 gallon and 100 gallon kits.

Color

Concrete Gray

Shelf Life

Factory sealed containers of this product are guaranteed to be of first quality for min. 24 months.

Limitations

- Not for use on contaminated or oily surfaces.
- Do not install when surface temperature is below 60°F (7°C) or above 85°F (32°C.)
- During damp and/or cool conditions epoxy will cure slower and protect finished work from traffic until fully cured.

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.
- POLYBAC #1257 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. TECHNICAL DATA

Performance Properties
Test/Test Method Results

Compressive ASTM D-695	14,528 psi (min)
Compressive Modulus	801,089 psi (min)
Tensile Strength ASTM D-638	9,759 psi (min)
Linear coefficient of shrinkage	.003
Flexural Strength	15,100 psi (min)
Heat Deflection ASTM D-3418	145°F
Elongation ASTM D-638	1% min.
Pot Life @ 77°F (100 gms)	15 mins.
Cure Time @ 77°F	90 mins
Mix Ratio	1:1 by Volume
Mixed Viscosity	Non-Sag Gel
Color Mixed	Gray

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