

# POLYBAC #1605

## FAST-SET COLD-WEATHER EPOXY ANCHORING ADHESIVE

Data Sheet M-12

### 1. PRODUCT NAME

POLYBAC #1605  
HIGH-STRENGTH EPOXY ANCHORING ADHESIVE

### 2. MANUFACTURER

Polygem, Inc.  
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### 3. PRODUCT DESCRIPTION

POLYBAC #1605 is a 100% solids non-sag gel viscosity epoxy specially formulated for use as fast-setting cold-weather chemical anchor adhesive. POLYBAC #1605 will bond to concrete, wood, fiberglass and metal surfaces. POLYBAC #1605 is moisture insensitive and resistant to most chemicals and solvents. POLYBAC #1605 will also set-up underwater for underwater anchoring applications.

#### Advantages

- FAST-SETTING
- WATER-RESISTANT
- NO VOC'S OR SOLVENTS
- EASY MIXING

#### Uses

For bonding or sealing concrete, wood, metal and fiberglass surfaces or mixed with aggregates for a hard durable surface. POLYBAC #1605 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 #1605 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 #1605 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 32°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 #1605 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	14,000 psi (min)
Tensile Strength ASTM D-638	7,250 psi (min)
Elongation ASTM D-638	1% min.
Pot Life @ 75°F (100 gms)	10 mins.
Cure Time @ 75°F	60 mins
Mix Ratio	1:1 by Volume
Mixed Viscosity	Non-Sag Gel
Color Mixed	Gray

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