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

<table>
<thead>
<tr>
<th>Property</th>
<th>Test Method</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compressive Strength</td>
<td>ASTM D-695</td>
<td>14,000 psi (min)</td>
</tr>
<tr>
<td>Tensile Strength</td>
<td>ASTM D-638</td>
<td>7,250 psi (min)</td>
</tr>
<tr>
<td>Elongation</td>
<td>ASTM D-638</td>
<td>1% min.</td>
</tr>
<tr>
<td>Pot Life @ 75°F (100 gms)</td>
<td></td>
<td>10 mins.</td>
</tr>
<tr>
<td>Cure Time @ 75°F</td>
<td></td>
<td>60 mins</td>
</tr>
</tbody>
</table>

Mix Ratio: 1:1 by Volume
Mixed Viscosity: Non-Sag Gel
Color Mixed: Gray

Polygem, Inc. warrants its products to be free of manufacturing defects and that, at the time and place of shipment, our material will meet current physical properties when applied within Polygem’s directions and tested in accordance with ASTM and Polygem standards. Polygem, Inc’s liability is limited to replacement of material found defective. As Polygem, Inc. has no control over the use to which others may put its products, it is recommended that the product be tested to determine if suitable for a specific application and/or our information is valid in a particular circumstance. Responsibility remains with the architect or engineer, contractor and owner for the design, application and proper installation of each product. Nothing contained herein shall be construed to be a recommendation to use or as a license to operate under or to infringe any existing patents.