Magmaflow Grout-Pak

Magmaflow Grout-Pak is a 3-component, 100% solids, modified epoxy system formulated to produce a high strength, moisture-insensitive, chemical resistant epoxy grout.

Meets requirements of Florida DOT Section 926, Type Q - Compounds to protect the anchorages of post-tensioning tendons or bars. QPL Number S926-1603. Meets the requirements of ASTM C881, Type, 1,2,IV, Grade Grade 2, Class C.

**Advantages**
- Pre-proportioned units
- High Flowability and fill characteristics
- Good chemical, corrosion and impact resistance
- Excellent Adhesion
- Long working time
- Low exotherm
- Excellent bearing area for even distribution of loads

**Packaging**
1/2 cu. Ft. unit - Component A (Resin) Component B (Curing agent) Component C (Aggregate).

**Color** – Concrete Gray

<table>
<thead>
<tr>
<th>Property</th>
<th>Test Value</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compressive Strength Cubes 7 day Cure @ 73°F</td>
<td>17,700 psi</td>
<td>ASTM C 579B</td>
</tr>
<tr>
<td>Tensile Strength @ 7 Day</td>
<td>2140 psi</td>
<td>ASTM C 307</td>
</tr>
<tr>
<td>Flexural Strength @ 7 Day</td>
<td>3790 psi</td>
<td>ASTM C 580</td>
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<tr>
<td>Cure @ 77°F</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Modulus of Elasticity @ 7 Day</td>
<td>1,800,000 psi</td>
<td>ASTM C 580</td>
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<tr>
<td>Cure @ 77°F</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Coefficient of Thermal Expansion @ 74° to 210°F</td>
<td>14.8 X 10-6 in/in./°F</td>
<td>ASTM C 531</td>
</tr>
<tr>
<td>Peak Exotherm, Specimen 12&quot; X 12&quot; X 3&quot;</td>
<td>140° F</td>
<td>ASTM D 2471</td>
</tr>
<tr>
<td>Slant Shear @ 7 days</td>
<td>7600 psi</td>
<td>ASTM C 882</td>
</tr>
<tr>
<td>Bond Strength to Concrete</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Thermal Compatibility</td>
<td>Passed</td>
<td>ASTM C 884</td>
</tr>
<tr>
<td>Linear Shrinkage @ 7 days</td>
<td>&lt; 0.025%</td>
<td>ASTM C 531</td>
</tr>
<tr>
<td>Flowability and Bearing</td>
<td>&gt; 90 % Contact area</td>
<td>ASTM C 1339</td>
</tr>
<tr>
<td>Gel Time</td>
<td>63 min.</td>
<td>ASTM D 2471</td>
</tr>
</tbody>
</table>

Pilgrim Permocoat, Inc.
402 S. 22nd Street, Tampa, FL 33605 (813) 248-3328 FAX# (813) 248-1076
www.pilgrimpermocoat.com
SURFACE PREPARATION
Substrate must be clean, sound, and free of standing water. Remove dust, laitance, oils, grease, curing compounds and any foreign substances that may interfere with adhesion. Remove by mechanical means (i.e., sandblasting, grinding, bush hammering). Sandblast metal surfaces for maximum adhesion. Minimum surface preparation for steel is grinding or mechanical wire brushing. Mix and apply grout ASAP to prevent oxidizing.

LIMITATIONS
Minimum application and substrate temperature 40°F. Condition all components to 70°F+ to assure good flow properties. Minimum grout depth is 1 inch. Maximum grout depth is 12 inches. If more than 12 inches is required, consult Pilgrim technical service department providing details of area and depth. Cold material has reduced flow properties.
Mix only complete units.

FORMING
Magmaflow Grout-Pak has a tenacious bond to most materials. Forms must be coated with a bond breaking polyethylene or a paste wax. Seal forms with putty, caulking or foam – forms must be liquid tight.
Prepare forms with a 2” head to facilitate placement. Attaching a grout box to the form can enhance flowability.

MIXING
Aggregate must be completely dry.
Precondition all components to 70°F+ for 24 hours before using. Remove from the pail all three components.
Pour the A & B Component into the pail & mix with a “Jiffy Mixer” blade attached to a 3/4 drill motor for two minutes. Immediately add ½ of the aggregate and mix, add remaining aggregate mix again for 2-3 minutes.
Pour the mixed grout into forms without delay.

CLEAN-UP
Clean tools and equipment with Pilgrim #5 Cleaner.

STORAGE
Store inside in tightly closed containers at moderate temperatures. Shelf life is two years in original packaging.

HANDLING PRECAUTIONS
For Industrial Use Only! Warning! May produce skin irritation and on prolonged contact may cause serious skin dermatitis. Skin contact should be avoided by use of protective clothing such as rubber gloves and eye protection. Any skin coming in contact with resin should be washed thoroughly with soap and water. Eye contact should be avoided; should it occur, flush thoroughly with water for at least 15 minutes.

WEAR PROTECTIVE CLOTHING, GOGGLES, GLOVES, etc.
Consult Material Safety Data Sheets.