1. PRODUCT NAME
#744 Epoxy Base Coat

2. MANUFACTURER
Polygem, Inc.
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3. PRODUCT DESCRIPTION
#744 is a 100% Solids, Non-Shrink, Moisture-insensitive, Two-Component Epoxy Base Coat.

Advantages
• Nearly no odor
• Cures down to 40°F
• 100# Solids, NO VOC's
• Excellent Work Time
• Moisture Insensitive Formula
• Excellent Strength Properties
• Excellent Impact Resistance

Uses
Used in decorative, commercial, institutional and industrial applications. Where the toughest heavy-duty industrial and manufacturing environments exist.

4. APPLICATION INSTRUCTIONS
The mixed polymer can be applied as a neat coating, single or double broadcast system, EPC hand troweled or power troweled.

Packaging
3, 5, 15 gal units

Shelf Life
Factory sealed containers of this product are guaranteed to be of first quality for 1.5 years.- Keep from Freezing

Limitations
Minimum substrate & ambient Temperature is 40°F. DO NOT THIN- Solvents will prevent proper sure. DO NOT PLACE EPOXY IF ICE IS PRESENT

#744 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 @ 73°F., 50% R.H.

Test/Test Method Results

<table>
<thead>
<tr>
<th>Property</th>
<th>50°F</th>
<th>73°F</th>
<th>90°F</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tensile Strength</td>
<td>4100 psi</td>
<td>4200 psi</td>
<td>4200 psi</td>
</tr>
<tr>
<td>Elongation at Break, min.</td>
<td>5%</td>
<td>5%</td>
<td>5%</td>
</tr>
<tr>
<td>Coefficient of Thermal Expansion (ASTM D696)</td>
<td>18.0 x 10-6 in./in./°F</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Temperature Range -30°C -22°F / 36°C 86°F</td>
<td>7 days</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hardness, Shore D 80 (ASTM D2240)</td>
<td>7 days</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Compressive Strength (Neat Polymer)</td>
<td>8 hr 1 day 7 days</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Temperature</th>
<th>Hardness Shore D 80</th>
<th>Compressive Strength</th>
</tr>
</thead>
<tbody>
<tr>
<td>50°F</td>
<td>3,700 psi</td>
<td>10,200 psi</td>
</tr>
<tr>
<td>73°F</td>
<td>6,200 psi</td>
<td>10,200 psi</td>
</tr>
<tr>
<td>90°F</td>
<td>10,100 psi</td>
<td>10,300 psi</td>
</tr>
</tbody>
</table>

Viscosity, 550-750 cps
Color Straw or Pigmented
Pot Life 30-35 minutes
Tack-Free Time, hours
50°F 10-12
73°F 6-8
90°F 5-7
Consistency Nearly Self Leveling

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#744 03/2017
Data sheets are subject to change without notice