**PRODUCT DESCRIPTION:**

High Performance Cement™ is blended hydraulic cement. It is RAPID HARDENING, FAST SETTING and NONSHRINK. It is more sulfate resistant than type V Portland cement. One-hour structural strength.

**BASIC USES:**

High Performance Cement™ may be mixed with a wide variety of course and fine aggregates to produce customized rapid setting concrete, mortar or grout.

- Roadways
- Airport pavement
- Industrial floors
- Freezer floors
- Parking decks
- Street and sewer maintenance
- Flood canals
- Tunnels and mines

**APPLICATION:**

High Performance Cement™ is exceptional for any type of concrete repair for high traffic areas, such as roadways, airport pavement, industrial floors, freezer floors and parking decks. It also performs well for street and sewer maintenance, flood canals, tunnels and mines.

**MIXING AND PLACEMENT:**

High Performance Cement™ should be used as a direct replacement for Portland cement. Use the same mix proportions as you would normally use 3:2:1 etc.. Adjust water to desired working consistency. A slump of 5" is recommended. Keep in mind that this is a RAPID HARDENING, FAST SETTING CEMENT. Have your job and your tools ready before mixing. To delay setting time, cold water, Portland cement or HPC Delay Set™ retarder can be used. At 70 F the typical working time is about 20 to 30 minutes.

**PACKAGING:**

High Performance Cement™ is available in 88 lb. (44 kg) bags.

**TECHNICAL DATA**

**High Performance Cement™**

<table>
<thead>
<tr>
<th>Compressive Strength, PSI (ASTM C-39)</th>
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</thead>
<tbody>
<tr>
<td>3 hours</td>
<td>3000 PSI (20.7 Mpa)</td>
</tr>
<tr>
<td>24 hours</td>
<td>5000 PSI (34.5 Mpa)</td>
</tr>
<tr>
<td>7 days</td>
<td>6500 PSI (41.4 Mpa)</td>
</tr>
<tr>
<td>28 days</td>
<td>8000 PSI (55.2 Mpa)</td>
</tr>
</tbody>
</table>

**Flexural Strength, PSI (Caltrans test 551)**

| 24 hours | 800 PSI (5.5 Mpa) |

**Bond Strength, PSI (Caltrans test 551)**

| 24 hours | 800 PSI (5.5 Mpa) |
If you choose to add Portland cement with High Performance Cement™ it will lower strengths and increase shrinkage. At 70° F the typical working time is about 20 minutes. To delay setting time, cold water or HPC DELAY SET™ retarder can be used.

FINISHING AND CURING:
High Performance Cement™ should be cured with water or a water based curing compound after final finish. This is a RAPID HARDENING, FAST SETTING CEMENT. Have enough finishers on the job. Job area and tools should be ready before mixing is started.

ADVANTAGES:
High Performance Cement™ can be used as direct replacement for Portland cement with the benefits of RAPID HARDENING, FAST SETTING, NON SHRINK and more SULFATE RESISTANCE than type V Portland cement. Contractors obtain high early concrete strengths which speeds up production.

WARRANTY:
HIGH PERFORMANCE CONCRETE REPAIR MATERIALS, INC. stands behind the quality of its bagged material. HIGH PERFORMANCE CONCRETE REPAIR MATERIALS, INC.’s liability is limited to replacement of materials.

For more information on High Performance products:
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(949) 470-3883 fax