**Jet Plug**

JET PLUG is a high performance repair product engineered for:

Stopping water leaks. Plugging various types of breaches.

Mix as a thick putty for large or small repairs. Form plug slightly larger than size of breach. Hold in hand until firming begins (about 1 minute) Jam into breach forcefully and hold for another 1-2 minutes. That’s it. (See Instructions)

**PERFORMANCE DATA:**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>ASTM</th>
<th>Time</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compressive Strength</td>
<td>ASTM C109</td>
<td>1 Hour</td>
<td>305</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3 Hours</td>
<td>535</td>
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<tr>
<td></td>
<td></td>
<td>1 Day</td>
<td>4440</td>
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<tr>
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<td></td>
<td>28 Days</td>
<td>7,000</td>
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<td>Flexural Strength</td>
<td>ASTM C348</td>
<td>1 Day</td>
<td>1270</td>
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<tr>
<td></td>
<td></td>
<td>7 Days</td>
<td>1540</td>
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<td></td>
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<td>28 Days</td>
<td>1670</td>
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<tr>
<td>Shrinkage %</td>
<td>ASTM C596</td>
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<td>-0.02%</td>
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<td>Bond Strength</td>
<td>ASTM C1042</td>
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<td>Tests</td>
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<td>3 Days</td>
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<tr>
<td></td>
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<td>7 Days</td>
<td></td>
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<tr>
<td>Set Times</td>
<td>ASTM C-191</td>
<td>Initial</td>
<td>2 – 3 Minutes</td>
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<tr>
<td></td>
<td></td>
<td>Final</td>
<td>4 – 5 Minutes</td>
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</table>

JET PLUG is comprised of various types of low alkali cements and sand. There are no other ingredients. It is environmentally friendly and presents only those health hazards normally associated with cements and sand.

For health hazard issues, please consult the "MSDS" for handling precautions. JET PLUG contains silica and free silica, which have been determined to cause silicosis and possibly cancer. Also, extended exposure to cement dust can be injurious. DO NOT BREATHE DUST.

JET PLUG is packaged in 50 lb moisture resistant pails.

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**Material Safety Data Sheet**

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

**US Department of Labor**

Occupational Safety and Health Administration

Form Approved, OMB No. 1218-0072

**Section I: Information**

**JET PLUG**

Emergency Telephone Number, Jet Set Cement Corp. (510) 632-7800, (877) 239-7800
Section II: Hazardous Ingredients/Identity Information

Common Name(s) CAS # OSHA PEL ACGIH TLV Other %

Calcium Salts - Cement 65997-15-1 10 mg/m3 10 mg/m3 None N/A
Calcium Sulphate Hemihydrate 7778-18-9 5 mg/m3 10 mg/m3 None N/A
Silica Sand 14808-60-7 0.1 mg/m3 0.1 mg/m3 None N/A

15.0 mg/m3 TOTAL DUST

Section III - Physical/Chemical Characteristics
Boiling Point: N/A Specific Gravity (H2O = 1) 3.00
Vapor Pressure (mm Hg): N/A Melting Point: N/A
Vapor Density (air = 1): N/A Evaporation Rate: N/A
Solubility in Water: Slight (0.1 - 1%)
Appearance and Odor: Grey (or white) powder, Odorless

Section IV - Fire and Explosion Hazard
Flash Point (Method Used) N/A
Flammable Limits: N/A
LEL N/A
UEL N/A
Extinguishing Media: None (Not Combustible)
Special Fire Fighting Procedures: None (Not Combustible)
Unusual Fire and Explosion Hazards: None (Not Combustible)

Section V - Reactivity Data
Stability: STABLE Conditions to Avoid: NONE
Hazardous Polymerization: WILL NOT OCCUR Conditions to Avoid: NONE
Incompatibility (Materials to Avoid): NONE

Section VI - Health Hazard Data
Route(s) of Entry: Inhalation? YES; Skin? YES; Ingestion? YES
Health Hazards (Acute and Chronic):
Extended respiration of crystalline silica may cause silicosis, a lung disorder which may be deadly. Wet Jet Plug can cause dry skin and alkali burns. Cement dust can irritate the eyes and upper respiratory system.

Carcinogencity: NTP? IARC Mamographs? OSHA Regulated?
YES YES NO
Respirable crystalline silica has been determined to be carcinogenic. Do not breathe dust. Coughing, congestion, shortness of breath may be symptoms.
Signs and Symptoms of Exposure:
Dry skin, irritated nose or eyes, coughing, hard to breathe may be symptoms of cement dust exposure.
Medical Conditions Generally Aggravated by Exposure: NONE
Emergency and First Aid Procedures:
Irrigate eyes with water, wash affected areas of the body with soap and water, use hand-creams.

Section VII - Precautions for safe handling and use
Steps to be taken in Case Material is Released or Spilled: Use dry clean-up methods that avoid creating dust.
Waste Disposal Method: In accordance with local, state and federal regulations.
Precautions to be Taken in Handling and Storing: NONE
Other Precautions: NONE

Section VIII - Control Measures
Respiratory Protection: In dusty environments, use of a NIOSH approved respirator is recommended.
Ventilation: Local exhaust if necessary Special: None
Mechanical (General) if necessary Other: None
Protective Gloves: Yes (if desired)
Eye Protection: Recommended in dusty environments
Other Protective Clothing or Equipment: None
Work/Hygienic Practices: Gloves will protect hands from dryness if desired

**JET PLUG**:

Mix to a no-slump consistency. Add only enough water to gain a consistency of heavy glazing putty. Do not mix the material for more than 1 minute after adding water. It is very fast setting. Mix only enough material so that it can be used in 1 or 2 minutes. Seal adjacent areas, chip a V-shaped void in pressure seepage areas, or chip and clean the hole or opening to be plugged. Wet the surface. Form a plug slightly larger than crack, hole or opening, hold in hand until firming starts, 1 minute or so, then force plug into void solidly and hold until firm, 1 or 2 minutes.
After plug becomes firm, shave to grade with trowel edge.
For normal sealing, *Jet Plug* can be troweled into place. Do not overwork.
For patching, follow the same mixing directions. Apply like *Jet Set Complete Repair*, but shave and finish after about 2-3 minutes.