

Custom Plug® Cement

Hydraulic Cement



Product Information

DESCRIPTION

The dry, packaged Custom Plug® material is a rapid setting hydraulic cement compound. The Custom Plug® Cement (CPC) stops minor water infiltration, running water and seepage through masonry cracks, brick joints, concrete walls and floors instantly. The CPC Cement is comprised of calcium aluminates; use it to seal out water seepage in sewer manholes. This product does not contain calcium chloride.

USES

- Repair manhole walls, bottoms, and bench sections
- Stop water leaks in holes, cracks and seepage in masonry joints, concrete, pipes, around inlets, floors and Fibreglas manholes.
- Patch pre-cast water fountains, water wells, in tunnels sewer cisterns, ditches, troughs spot-seal broken concrete, set bolt anchors, hold downs and miscellaneous grouting.

APPLICATION

Mix a small amount of the dry Custom Plug® Cement with cold, potable water to produce a soft putty-like consistency then push the mixture into the crack. Handle with a gloved hand, [apply] dust or push the CPC Cement into the leaking crack. In high water pressure applications, push and hold the cement mixture in your hand until you feel the heat generation begin. Then, immediately push the mixed cement into the opening and hold it firmly in place with your palm, strike the mixture with a steel trowel or wood block. Hold the cement until after it sets; shave the surface flush with a sharp pointing tool, knife or trowel. Use the CPC Cement to seal a long opening with successive small rolls of mixed cement putty. For 2 men applications: 1 man mixes the cement while the other places the material.

AVAILABILITY

The Custom Plug® Cement is packaged in 50-pound pails, 36 pails per pallet.

Application: wet mixed, dust, hand, trowel

Working Time at 70°F: 60-90 seconds

Porosity: none

COMPOSITION

The Quick Setting Hydraulic Cement is made of fused calcium aluminates typically used in a new and existing construction and wastewater applications including sewer manhole renewal.

TECHNICAL INFORMATION

Property	psi		
Compressive Strength ASTM C 109	24-hr 3,500	7-day 4,900	28-day 5,500
Split Tensile Strength ASTM C 496	200	*	350
Bond Strength ASTM C 596	650		
Initial Set-Time at 70° F	60 to 90 Seconds		
Final Set-Time at 70° F	30 to 60 Minutes		
Volume / Length Change None	0.0%		

*Test Results-obtained by an independent laboratory.

LIMITATIONS

Mix with cold water. Extreme cold or hot weather will effect the setting time. Use warm water to accelerate compared to normal at 70 degrees F.

COVERAGE

1-pound fills 18 ^{cubic inches} or a ¾ x ¾ x 30 inch long crack.

SAFETY

Follow the safety precautions: May Cause Eye and Skin Irritation. Contains calcium based by products, free silica and other components. Do not breathe the dust. Use eye protection. Avoid prolong exposure. In case of eye contact, wash with water immediately for 15 minutes, Wash thoroughly after handling. If skin problems arise,

flush area with water and get medical help. May cause delayed lung injury. Follow the directions as stated by the manufacturer, OSHA Safety and Health Standards for crystalline-silica-quartz. See safety data sheet for detailed information. Keep out of reach of children.

STORAGE

Store the product in a dry cool place.

TECHNICAL SERVICE

Standard Cement Materials Inc provides technical and on-site assistance within 48-hours notice.

WARRANTY INFORMATION

Standard Cement Materials, Inc offers this information for the user's consideration. The corporation warrants this product to be of good quality and performance as specified and is free from material defects within the warranty period. If "Failure" occurs, it will be determined (1) upon inspection of each application and (2) within each specific pH limit. "Failure" does not include consequential damage resulting from mechanical or chemical maltreatment or act of God. Mechanical or chemical abuse means exposing the cement liner surface to any mechanical force or action taken or chemical substance not customarily used in connection with normal wear and typical use of the structure. Report all product failures within one year from the application date. The manufacturer's liability and sole obligation and the Buyer's single remedy in connection with the product shall be limited, at its option, to either replacement of the product not conforming to this warranty only or credit to Buyer's account in the amount of the invoiced product. Standard Cement Materials Inc reserves the right to determine whether any claim is specifically related to another cause. The corporation makes no other warranties, either expressed or implied and in no event

intends to infringe on any established patents or trademarks.

© All rights reserved 2011.
Standard Cement Materials, Inc.
Chappell Hill, TX 77426
Telephone: 1-888 278-1337

www.standardcement.com
email: support@standardcement.com