

RS-Plug



Product Information

DESCRIPTION

The RS-Plug Cement is a high early strength material consisting of a dry, factory blended, rapid setting cement mortar. Designed to stop minor water inflow/infiltration, running water and seepage through masonry cracks, brick joints, concrete walls and floors instantly. Mix the dry cement powder with potable water to produce a soft putty-like consistency then push the mixture into the crack. The RS-Plug Cement is a non-metallic, shrink compensated cement that reaches initial set in 60 to 90 seconds to seal out water in wastewater structures.

USES

- Suitable for all above and sub-grade applications.
- Stop water leaks in holes, cracks and seepage in masonry joints, concrete, pipes, around inlets, floors and Fiberglass manholes.
- Applicable for architectural, pre-cast and structural concrete, water fountains, water wells, in tunnels sewer cisterns, ditches, troughs spot-setting in concrete for bolt anchors, hold downs and miscellaneous grouting.

AVAILABILITY

The RS-Plug cement is pre-packaged in 50-pound polyethylene lined bag or 5 gallon buckets upon client's request. The RS-Patch Cement is sold in pallets and truckload quantities (54 bags or 36 buckets per pallet).

APPLICATION

Mix a small amount of the dry RS-Plug Cement with potable water. Apply with a gloved hand, dust or push the mixed Cement mortar into the leaking crack. In high water pressure applications, hold the cement in your hand until you feel the heat generation. Then, immediately push the mixed cement into the opening and hold it firmly in place with your palm, a steel trowel or wood block. Hold the cement until it sets. After the cement sets, shave the surface flush with a sharp pointing tool, knife or trowel. Use the RS-Plug Cement to seal a long opening with successive small rolls of mixed cement mortar.

PERCAUTIONS

Mix and apply the RS-Plug cement carefully. Extreme cold or hot weather will affect the setting time. Use warm water to achieve normal set at 70 degrees °F. Do not apply material in temperatures below 40 degrees °F.

SAFETY

Follow all of 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 and 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 OSHA Safety and Health Standards for crystalline-silica-quartz. See safety data sheet for detailed information. Keep out of reach of children.

TECHNICAL DATA

Physical Properties	PSI		
Compressive Strength	24-hr	7-day	28-day
ASTM C 109	>3,200	>4,250	>5,500
Tensile Strength			
ASTM C 469	*	*	>645
Bond Strength			
ASTM C 321			140+

Test results obtained by an independent laboratory

COVERAGE

50-pound bag/pail covers .45 cubic foot,

CLEAN UP

Wash with soap and water. Rinse thoroughly

STORAGE

The RS-Plug Cement mortar should be stored in dry conditions at 70°F. No modification should be made to the specified handling, mixing and finishing of this product as stated in the Product literature. Contact a Manhole Rehab, Inc. representative for technical assistance.

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