

CRL ROCKITE® INTERIOR CEMENT

BASIC USES

ROCKITE Cement is a fast-setting, hydraulic type cement compound of more than twice the strength of fully-cured and conventional concrete. When mixed with water to pourable consistency, it flows and seeps into place as though it were molten lava. It takes an initial set within 15 minutes. Within 1 hour it develops a compression strength of 4,500 lbs. per square inch. Its adhesion is due to expansion and when fully set it grips metal to concrete permanently.

In addition to its ease of application, strength and versatility, the important feature of Rockite is its CONTROLLED expansion (unlike iron-bearing cement mixtures). Cured Rockite is a pleasing gray color which blends with concrete. ROCKITE saves repair dollars because it ensures permanent results. It sets in a jiffy, speeds the job, and its application procedures are so simple that inexperienced labor can handle almost any installation.

PREPARATION FOR USE

1. Always use a clean container. Never add sand, gravel or other foreign substances to ROCKITE. They weaken the cement and affect setting. **MIX NO MORE CEMENT THAN YOU CAN USE IN 10 MINUTES.** ROCKITE may be used in either fluid consistency for pouring, or plastic consistency for application with putty knife, spatula or cement trowel. Either consistency produces the same high strength.
2. **FLUID (POURING) CONSISTENCY:** Mix ROCKITE with water to a THICK PASTE. Let this mixture stand for about a minute. Then stir thoroughly. At this point, the mixture will become more fluid. The proper consistency is like heavy batter, just fluid enough to pour, but NOT WATERY. Keep the mix thick. This makes stronger cement. Add water VERY SPARINGLY. If the mix is thin, add more ROCKITE promptly to thicken it. If you wish to measure, the correct water addition is 4 ounces per pound or 1-1/4 pints for 5 pounds. When using this method, MEASURE ACCURATELY.
3. **PLASTIC CONSISTENCY:** Add only enough water to make the cement form dry lumps. Keep mixing for 1 to 1-1/2 minutes. (Small quantities can be kneaded in the hands.) As the powder absorbs the moisture, the cement will begin to look like ordinary putty. This is the proper consistency. If you wish to measure, the correct water addition for the plastic consistency is 3 ounces per pound. When using this method, MEASURE ACCURATELY.

APPLICATION/USE

GLASS RAILING/BALUSTRADE INSTALLATION PROCEDURE FOR INTERIOR USE ONLY

1. Insert rubber setting blocks at the bottom of the base shoe or channel.
2. Ensure all exit points and bolt hole locations are sealed to prevent run out.
3. Insert the glass and locate it on the setting blocks.
4. Insert hardwood shims on either side of the glass, firmly centering the glass within the base shoe. It's important to ensure that a gap is left between adjacent glass panels to avoid breakage if movement occurs.



5. Pour the ROCKITE and allow the base shoe channel to fill, ensuring that the void between glass panels is completely filled. Tooling and setting time is 15-20 minutes.
6. Consult with your glass fabricator prior to wet setting laminated tempered glass.

NOTE: Ensure CRL ROCKITE Cement is protected during the 15 minute curing process from moisture and/or other contact with water or elements.

HOW TO ANCHOR BOLTS, POSTS AND RODS IN CONCRETE, BRICK OR STONE:

1. Drill the hole (never less than 2" deep). **BLOW OUT ALL DUST AND LOOSE PARTICLES.** If air line is not available, tire pump, battery filler or bulb syringe is handy for this purpose.
2. Fill the hole with water. Scrub the sides and bottom with a stiff circular brush such as a bottle brush. **THIS IS IMPORTANT.**
3. Remove excess water with rag or other absorbent material. **LEAVE THE HOLE CLEAN AND UNIFORMLY DAMP.**
4. Mix the ROCKITE in a **CLEAN CONTAINER.** (See "Preparation for Use".)
5. For anchoring machinery in concrete, use the fluid consistency. Provide **WASHERS** on anchor bolts before placing them in the opening. Pour the cement into the space around the bolt.
6. For exterior anchoring of ornamental iron, pour fluid ROCKITE around the rod, tapping the rod to settle the ROCKITE. Fill the hole so that it can be tapered up the side of the rod.
7. For anchoring in vertical walls, use the plastic consistency. Fill the hole with the plastic cement first. Then tamp the bolt or rod into place. If the cement becomes too fluid because of the tamping process and sags out of place, let it stand for a few moments and it will stiffen. Then smooth out the surface around the bolt with a putty knife or spatula.
8. Let the cement harden for a least 30 minutes. For heavy equipment, allow one hour.

NOTE: When used outdoors, ROCKITE should be allowed to dry out thoroughly for 7 days and then protected with a coat of good grade exterior paint. ROCKITE should not be used under water or as a primary structural member. ROCKITE should not be used outdoors for anchoring in porous materials such as brick, limestone and granite, when they are exposed to wet conditions.

NOTE: Due to the expansion property of ROCKITE do not use ROCKITE for anchoring in concrete that is narrow on top such as handicapped ramps, concrete construction barriers, or concrete walls. When using ROCKITE always leave at least 4 inches from the edge of the concrete to the hole.

NOTE: Do not use ROCKITE in swimming pools.

Do not use ROCKITE outdoors to anchor glass in an aluminum frame. Do not use ROCKITE outdoors for anchoring glass directly into concrete. Use our product

CRL ROCKITE

Interior Cement

AUGUST 2016

CRL
US ALUMINUM

CRL
US ALUMINUM

AUGUST 2016

CRL ROCKITE
Interior Cement

AVDB3304 REV_07_18

CRL ROCKITE® INTERIOR CEMENT

KWIXSET EXTERIOR ANCHORING CEMENT, instead.

HOW TO PATCH HOLES AND CRACKS IN CONCRETE FLOORS OR MASONRY WALLS:

NOTE : For dependable performance, ROCKITE should always be installed no less than 1/2 inch thick. Thin sections or "feather-edges" are not recommended.

1. Cracks should be raked out to remove any debris or loose particles. If a hole is to be repaired, chisel down the edges to provide a "form" for the cement when it is poured.
2. If the hole is clean, simply remove chips and loose dirt. (Blowing or vacuum cleaning does a better job than sweeping.) If hole is greasy or oily, scrape off all accumulation and hack the surface with a hammer and chisel down to firm, clean concrete.
3. Sprinkle the hole with water. Sweep out all puddles. Leave the surface damp but not wet.
4. Mix the ROCKITE in a CLEAN CONTAINER. For floor surfaces, use the fluid consistency. For wall work, use the plastic consistency. (See "Preparation for Use.")
5. Pour a little cement into the hole and scrub it into the surface with a stiff brush or broom to drive the cement into the pores. This helps the patch to adhere. Then add enough cement to match the level of the surrounding surface.
6. When the cement begins to thicken (about 10 minutes), smooth out any imperfections in the surface with a spatula or cement trowel.
7. After 30 minutes, sprinkle the patch with water. Foot traffic and light trucking may be resumed immediately. For heavy trucking, allow one hour before resuming traffic.

APPROVALS/STANDARDS

ROCKITE INTERIOR CEMENT meets the following

ASTM Designations when used as directed:

- ASTM C 109-01 Compressive Strength of Hydraulic-Cement Mortar
- ASTM C 191-01 Time of Setting of Hydraulic-Cement by Vicat Needle
- ASTM C 1107-02 Packaged Dry, Hydraulic-Cement Grout (Nonshrink)
- ASTM E 488-96 Strength of Anchors in Concrete and Masonry Element

CHARACTERISTICS AND PROPERTIES

RECOMMENDED MIXES:	50 lbs. ROCKITE and 1-1/2 gallons Water
FLUID:	4 ounces/pound
PLASTIC:	3 ounces/pound
SETTING TIME:	15-20 minutes
YIELD:	0.54 cubic feet/50 pound bag
ROCKITE CEMENT REQUIRED:92 pounds/cubic feet of mix
POSITIVE EXPANSION:	0.18 %
DIRECT TENSION PULL:	19,800 pounds
COMPRESSION STRENGTH:	
psi 2" Cube Molds, moist cured	
1 hour after set	4,500
1 day	5,000
7 days	10,000

CRL ROCKITE

Interior Cement



USA ALUMINUM
AUGUST 2016

AUGUST 2016



CRL ROCKITE
Interior Cement

AVDB3304 REV_07_18