

K CRETE

Description

K Crete is a quick setting, non shrinking, gypsum compound, scientifically compounded for patching, grouting, anchoring, plugging, and repairing concrete and masonry. It develops exceptional strength and has a surface hardness of over A-90 on a Shure durometer. This ready-for-use mortar is composed of gypsum cements, specially graded, washed and dried hard quartzite aggregates, and additional accelerating and workability ingredients. K Crete does not shrink, and the expansion is controlled to a maximum 0.25 percent.

Uses

K Crete is used whenever a fast setting, hard, durable, water resistant mortar is required. Some examples include:

Setting anchor bolts

Where high strength and speed are required for permanent anchoring.

Grout for leveling machinery

Fills spaces completely due to its non-shrinking quality. Sets up fast and allows machinery to be put back in use quickly. Holds firm against stress and vibration.

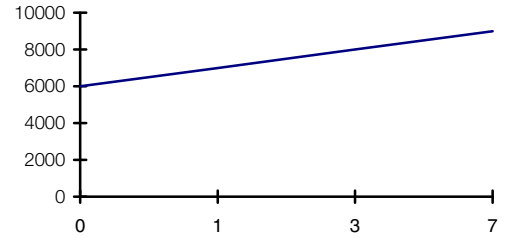
Grout-Base plates

For steel precast and prestressed concrete columns and beams. Non-shrinking means no voids, high strength and promises permanence.

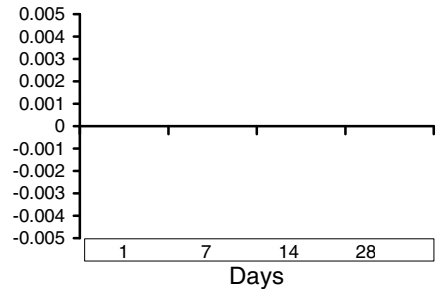
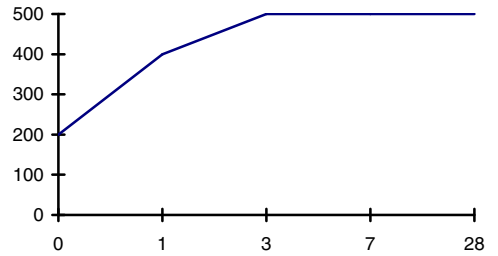
Anchoring posts

Secure setting for railings, posts, poles, partitions, stanchions, etc. Bonds solidly and holds with a vise-like grip.

Test Characteristics Compressive Strength



Shrinkage/Expansion



Packaging/Yield

.45 cu. ft./pail

Directions**Surface Preparation**

Remove all loose, crumbly, weak surfaces. Dampen surrounding area. Do not apply when puddles are present. Mix no more cement than you can use in 7 minutes.

Mixing

Mix with water to a heavy batter-like consistency, fluid enough to pour but not watery. Apply by hand or trowel. Cement is self-leveling, so do not trowel excessively. For overhead and vertical work omit as much water as possible and force in holes to be filled. Normal cement reaches initial set in 12 minutes and final set in 18 minutes at 70°F. After mixing use right away and clean equipment before it hardens.

Application

To set Anchor Bolts: Drill hole in concrete large enough to accommodate head of bolt and washer with at least 1/2" on sides of bolt. Hole should be at least 2" deep. Moisten hole with water, lay bolt in and fill cavity with cement.

Leveling Machinery, Bearing Plates, and Columns:

After setting in proper position and plumbing, the anchor bolts are tightened. Cement is then solidly packed between bearing surface and plate form one side only to insure no voids. Make certain space is completely filled and free of air pockets.

Anchoring Post, Poles, Ornamental Iron, Etc.:

Drill hole at least 2" deep and large enough to accommodate pole with at least 1/2" surrounding it. Dampen and place post in hole and fill void with K-Crete. Fill high enough so that water will run off and not collect on anchor. The post should be steadied for a few minutes until cement becomes firm enough to take hold.

Patching Concrete, Asphalt and Masonry:

Fill holes with cement and wait 30 minutes before walking on it. For floor and road surfacing a thin slurry coat brushed into the surface is recommended, prior to the heavier patching thickness. Thin patches are not recommended. For best results make a 2" vertical cut with masonry saw around perimeter of damaged areas.

Precautions

Do not retemper once it has set as this will destroy the strength. Faster set may be obtained by heating the gauging water and slower sets can be realized by using cold water. For thin patches, replace 1/2 gallon of water with acrylic bonding compound for better adhesion and longer life. Do not apply to frozen or frosted masonry without thawing out first. Protect from water by use of high quality epoxy coating. Read Material Safety Data before using.