



K-1 MORTAR MIX

DESCRIPTION

K-1 Mortar Mix is specifically formulated and blended for use in "grout bag" mortar applications, primarily in mortaring and tuckpointing of joints in thin brick and panel brick applications. K-1 Mortar Mix will provide extreme durability in diverse weather conditions and requires minimal curing. K-1 Mortar Mix is not intended as an adhesive for thin brick to insulation board. However, K-1 Mortar Mix, when mixed with liquid Quikrete Acrylic Fortifier, can be used for setting and applying thin brick and cultured stone over clean, unpainted, structurally sound masonry surfaces.

COMPOSITION

K-1 Mortar Mix is a portland cement based material requiring only the addition of water to obtain a workable consistency and high strengths. Additional strengths and durability are achieved with the addition of Quikrete Acrylic Fortifier.

COMPRESSIVE STRENGTH

7 days	1990 psi
28 days	2430 psi

MIXING

Mix mortar to a workable consistency similar to stiff oatmeal. Do not use with winter additives or plasticizers. Replace 20% of the mixing water with Quikrete Acrylic Fortifier for higher strengths and better curing. This is easily accomplished by mixing one quart of Quikrete Acrylic Fortifier with four quarts of water and using the solution as needed in mixing.

COLORANTS

If a mortar colorant is to be used, consider the following:

1. Because most colorants are designed for use with 4" brick mortar, which requires the addition of sand, they are highly concentrated. Because K-1 Mortar Mix is pre-mixed, your colorant can, in most cases, be mixed on a ratio of one to four (i.e. 1 box of colorant to four bags K-1). A sample mix with your colorant will determine this ratio.
2. When mixing, put the colorant into mixing container, add water and mix. When this is thoroughly mixed, add K-1 grout and mix again. This procedure will help give you a consistent material.
3. Variations in materials and conditions of application may cause variations in the color from batch to batch for which the manufacturer cannot be held responsible.

APPLICATION

Insert the metal tip snugly into the grout bag and fill the grout bag half to three quarters with the mortar mixture. Squeeze the grout into the bed (horizontal) joints first, starting at the top of the wall, with a continuous movement. Over-fill the joints slightly. Follow by filling the head (vertical) joints. Keep the grout in the joints as much as possible to avoid getting excess grout on the face of the brick. When the grout has set to the consistency of wet beach sand it is time

APPLICATION
(continued)

to strike the joints. Use a 1-1/4 inch outside diameter piece of pipe to compress the mortar into the joints. Hold the pipe at an angle (45 degrees +/-) to the brick and press it firmly against the grout, move the pipe along the mortar joint to compress the mortar into the joint. Any voids in the mortar must be filled at this time by compressing wet mortar into them. Care should be taken to keep the pipe in the mortar joint to avoid scratching the brick faces. The head (vertical) joints should be done first and following by the bed (horizontal) joints. After striking the mortar joints the wall should be brushed off with a stiff bristle deck brush. Brush the brick horizontally using semi-circular motions on the wall, making sure all mortar joints and brick are brushed thoroughly to remove any excess mortar from the face of the brick. If the brush marks appear in the mortar, it has not set enough. Important: Brick must be kept as clean as possible during the grouting process. Any excess grout must be brushed off.

NOTE

Thin hairline cracks can occur in the grout joints for several reasons including striking too early, excess water in the grout mix, too rapid of grout curing in extremely hot dry weather, and movement of the substrate. These small cracks will not affect the performance of the product and can be minimized by striking at the appropriate time, using a proper mix, and in weather above 70 Degrees F, wetting the grouting so as to extend the grout tempering process. Also, avoid grouting walls which will be subjected to impact from within due to drywall or cabinet installation within one week of grouting. Prefabricated wall systems should be allowed to set for one week following grouting before shipment.

**YIELD/
COVERAGE**

An 80 lb. bag yields approximately .64 cubic feet and will grout the mortar joints of up to 50 sq. feet of brick surface, depending on depth of joint.

LIMITATIONS

Do not apply K-1 Mortar Mix when weather is forecast to be above 100 Degrees F or below 40 Degrees F within 24 hours without required applicable weather precautions.

CLEANING

If the brick is to be cleaned after grouting, use a mild detergent masonry cleaner (no acids). Proceed with cleaning as approved by brick manufacturer.

WARRANTY

Gibraltar National Corporation's products are manufactured using the best materials and manufacturing methods available. When used according to the manufacturer's directions these products will perform as stated. Due to the broad range of conditions encountered in the use of the product, which are beyond our control, Gibraltar National Corporation makes no other warranty, expressed or implied, and no agent or other person is authorized to do so. Results of improper mixing, incorrect application and other factors beyond the manufacturer's control are not the responsibility of the manufacturer. No responsibility can be accepted beyond the purchase price of the product.

CAUTION

IRRITANT TO EYES AND SKIN. CONTAINS PORTLAND CEMENT AND LIME. Avoid all contact with eyes and skin. Use rubber gloves when handling this material. In case of contact with eyes or skin, flood repeatedly with water and CALL A PHYSICIAN. Wash thoroughly after handling and before smoking or eating. DO NOT TAKE INTERNALLY. KEEP OUT OF REACH OF CHILDREN.