

Gel Latex Flexmix 318

Gelled Latex for added Mortar Flexibility

TECHNICAL BULLETIN

USE INFORMATION

BASIC USE

Gel Latex Flexmix 318 is a high solids latex additive designed to be used where absorption of thermal shock and thermal movement are needed. Flexmix 318 is mold, mildew, algae and fungal resistant. Flexmix 318 will absorb some movement of the substrate caused by thermal expansion/contraction and compensate for some of the normal shrinkage and movement of concrete (not structural cracking). Use Flexmix 318 in place of normal mixing water with any good quality dry set mortar. Flexmix 318 is especially designed for use for the commercial installation of all types of tiles over approved substrates such as concrete block, poured concrete, Portland cement backer board and existing ceramic tile installations. The use of Flexmix 318 eliminates the expense of removal of many old substrates. Flexmix 318 is gelled which allows for the use of components that would normally separate and settle in ordinary latex materials, US Patent No. 6,201,050.

TO USE

As a dry-set mortar additive: Flexmix 318 used in lieu of water to produce a bond coat for setting absorptive, semi-vitreous or impervious tiles for service in residential and commercial use. It is suitable to use in a mortar bed as thin as 3/32" after tiles have been properly twisted and beat in.

As a grout additive: Flexmix 318 can enhance a grout's appearance through better color retention and less fading caused by ultraviolet rays. It is excellent for grouting tiles with absorption rates of 7% or more. These tiles tend to pull the water out of the grout, thus inhibiting the normal hydration and setting of Portland cement. Flexmix 318 modified dry-sets and grouts have excellent impact resistance, are water cleanable, non-flammable, and greatly reduce water absorption which weakens normal bonding and grouting materials when subjected to freezing conditions. Flexmix 318 modified dry-sets and grouts are not affected by prolonged contact with water after curing.

AREAS OF USE

As a dry-set mortar additive: Use in place of water with powdered dry-set mortar. Follow mortar manufacturer instructions. Use Flexmix 318 in place of normal mixing water with any good quality dry set mortar. Flexmix 318 is especially designed for use for the commercial installation of all types of tiles over approved substrates such as concrete block, poured concrete, Portland cement backer board and existing ceramic tile installations. Eliminates the expense of removal of many old substrates.

As a grout additive: Flexmix 318 may be used interior or exterior in conjunction with all types of tiles and are easier to clean off the surface of tiles than more conventional additives.

PRODUCT DATA

LIMITATIONS

In all applications the published "Instructions for Use" of Kaiser Building Products must be followed in preference to any other such instructions. **KEEP FROM FREEZING!** Never dilute this product with any substance. When mixing always add the dry set mortar to the Flexmix 318 liquid. Never add liquid into the powder.

As a dry set mortar additive: Always follow dry-set mortar manufacturer instructions and warnings for limitations to use.

As a grout additive: Grout mixture containing Flexmix 318 additive should be tested for cleanability on actual tile by simulating job conditions prior to grouting installed tile. Refer to application instructions from grout manufacturer for proper application and cleaning procedures. Use Flexmix 318 in temperature range above 40 deg. F. Do not allow mortar or grout to freeze for the first 72 hours

CLEANING

Water is all that is needed to remove uncured latex modified mortar. CAUTION: Dried latex films are difficult to remove.

APPLICATION

Always follow the instructions for application found on the bag of dry set mortar, or contact the manufacturer for specific instructions.

CURING AND GROUTING

A minimum cure is obtained in 12-24 hours, depending on ambient temperatures. Grouting can be done after the mortar takes its final set if caution is used not to break the plastic mortar bond to the tile. Normal grouting should be done 24 hours later.

STORAGE LIFE

One year if kept in sealed containers, stored in dry area. Protect from freezing and excessive heat during storage.

MIXING

Flexmix 318 is used rather than mixing water to make dry set mortars. Do not dilute Flexmix 318 with water or any other substance. Use Flexmix 318 with any good quality dry set mortar that meets or exceeds applicable ANSI specifications. When mixing always first place the Flexmix 318 into the mixing container and then add the dry set powder to the liquid while mixing. Use approximately one (1) gallon of Flexmix 318 liquid to each 25 pounds of dry set mortar powder.

WARRANTY

All recommendations and statements made are based on seller's research and experience. Since seller has no control over the conditions of use or storage of the product sold, seller cannot guarantee the results obtained through the use of its products. The buyer shall determine the suitability of the product for its own purposes. Seller shall in no event be liable for consequential damages. Seller's liability hereunder, if any, shall be limited to replacement of goods proven defective.

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