

Premium Gel Latex Admix 180

A breakable Gel latex admixture for cement compounds

TECHNICAL BULLETIN

USE INFORMATION

BASIC USE

Premium Gel Latex Admix 180 is a high solids latex emulsion that has been specifically formulated for addition to dry-set mortar, and other Portland cement powders. Latex Admix 180 is mold, mildew, algae and fungal resistant. When used with dry-set mortar, it provides a bond coat for all types of tile over a variety of substrates. As an additive to dry-set mortars, Latex Admix 180 improves adhesion and bond strength, more freeze-thaw stability and minimizes or prevents spalling in concrete surfaces. Latex Admix 180 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: Latex Admix 180 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: Latex Admix 180 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. Latex Admix 180 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. Latex Admix 180 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 Latex Admix 180 in place of normal mixing water with any good quality dry set mortar. Latex Admix 180 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. Latex Admix 180 use eliminates the expense of removal of many old substrates.

As a grout additive: Latex Admix 180 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 Latex Admix 180 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 Latex Admix 180 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 Latex Admix 180 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: Clean without delay, dried latex films are difficult to remove.

APPLICATION

Spread mortar with flat side of trowel to key-in substrate; then reapply additional mortar to a depth sufficient to be notched with a suitable trowel that will leave only enough mortar to give 100% contact with back of tile and a subsequent mortar bed of 3/16th – 1/8th. With high lug tiles, “back-buttering” may be required to ensure 100% coverage of back of tiles. During the setting of tile, it is advisable to occasionally remove a tile to be sure mortar has not skinned over and sufficient transfer is being made. It is also required that tiles be “beat in” to obtain good transfer of mortar to tile and for proper alignment. Do not adjust tiles in mortar after they have been set past 20 minutes.

NOTE: As a practical test, it is recommended that three or more separate twelve inch square areas of tile be bonded to the properly prepared surface with the actual tile and bonding materials that will be used on the finished installation. These should be allowed to cure for three to seven days and then removed with a hammer and chisel. At this point, one can determine if adequate bond has been obtained or if a problem exists.

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

Latex Admix 180 is used rather than mixing water to make dry set mortars. Do not dilute Latex Admix 180 with water or any other substance. Use Latex Admix 180 with any good quality dry set mortar that meets or exceeds applicable ANSI specifications. When mixing always first place the Latex Admix 180 into the mixing container and then add the dry set powder to the liquid while mixing. Use approximately one (1) gallon of Latex Admix 180 liquid to each 25 pounds of dry set mortar powder.

When using as an additive to cement grouts, Latex Admix 180 may be diluted at a ratio of 1 gallon of Gel latex admix to 1 quart of water. Due to the nature of this product, it should always be used in conjunction with a mortar product upon which detailed mixing and installation procedures will be found.

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.

**Kaiser Building Products, Ltd. 5825 Centralcrest Houston, TX 77092
713-680-1234 Fax 713-680-1608**

www.kaiserbuildingproducts.com