

# **Gel Latex Admix 101**

## **A breakable Gel latex admixture for cement compounds**

### **TECHNICAL BULLETIN**

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#### **USE INFORMATION**

##### **BASIC USE**

Gel Latex Admix 101 is a contractor grade latex emulsion that has been specifically formulated for addition to dry-set mortar, floor grout, wall grout and other Portland Cement Powders. Latex Admix 101 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 and grouts, Latex Admix 101 will provide improved bond strengths, more freeze-thaw stability and increased flexural strength. Latex Admix 101 can be used in thick-bed mortars, shrinkage and curing control and is recommended as a grout additive when diluted 50-50 with water. Latex Admix 101 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 101 is 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 101 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 good hydration and setting of Portland cement. Latex Admix 101 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 101 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's instructions.

As a grout additive: Latex Admix 101 may be used interior or exterior in conjunction with all types of tiles. It is easier to clean off the surface of tiles than other conventional additives.

#### **PRODUCT DATA**

##### **LIMITATIONS**

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 101 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 101 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 into 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 1/8<sup>th</sup> – 3/16<sup>ths</sup>. 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 more than 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**

Minimum cure occurs 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 may be done after 24 hours.

## **STORAGE LIFE**

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

## **MIXING**

When using as an additive to cement grouts, Latex Admix 101 may be diluted at a ratio of 1 gallon of Latex Admix 101 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.

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