

Rapid Cure 400

Mortar Accelerator and Strengthener

TECHNICAL BULLETIN

USE INFORMATION

BASIC USE

Rapid Cure 400 is a modified latex admixture that greatly accelerates the set time of dry-set mortars and grouts when used as a bond coat and grout for non-absorptive, semi-vitreous, and vitreous ceramic tile. Rapid Cure 400 is mold, mildew, algae and fungal resistant. Rapid Cure 400 has been designed as liquid additive that is used in lieu of water with dry-set mortars and grouts for high speed and high production jobs that require the contractor to provide a finished installation for normal service in the shortest possible time. These conditions most commonly exist during repair jobs in kitchens and fast food chains, small jobs in remote areas and large jobs that require maximum production in short periods of time. Total installation should easily be done in a matter of 8 hours. Rapid Cure 400 used with dry-set mortar, will provide a higher bond strength than regular dry-set mixed with water. This allows for a permanent installation on both interior and exterior surfaces.

TO USE

As a dry-set mortar additive: Place Rapid Cure 400 into a clean mixing container. Add dry-set mortar to be used into the latex liquid while stirring. Use approximately 50 pounds of dry-set mortar to two (2) gallons of Rapid Cure 400. Mix to a smooth paste-like consistency. Pot life of the mixed Rapid Cure 400 is limited. Mix only the amount that can be used in 30 minutes.

AREAS OF USE

Suitable backings, when properly prepared, include plumb and true masonry concrete, gypsum board (dry areas only), glass mesh mortar units, cured Portland cement mortar beds, brick, ceramic tile and marble.

PRODUCT DATA

LIMITATIONS

Rapid Cure 400 when mixed with dry-set mortars should not be used directly over wood, asphalt substrates, vinyl covered wall board, masonite, cement asbestos board, metal, or plastic. Use in temperature range above 40 deg F. Do not allow mortar to freeze for the first 72 hours. Note: Always follow dry-set mortar or grout manufacture instructions and warnings for limitations to use.

CLEANING

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

APPLICATION

All instructions as shown on the "Instructions for use" on the Dry Set Mortar used must be followed. Apply with the flat side of the notched trowel and then comb with the notched side immediately prior to placing the tile onto the newly applied mortar. All tile must be twisted or "beaten" into place in order to establish an mechanical bond between the mortar and the tile.

Grouting: Grout mixture containing Rapid Cure 400 should be tested for cleanability on actual tile by simulating job conditions prior to grouting installed tile. Use the recommended grout for the type tiles being grouted. Tiles will be ready for grouting in 3 to 4 hours under normal conditions. Impervious substrates and vitreous tiles can cause a variance in the setting time. Refer to application instructions from grout manufacturer for proper application and cleaning procedures. Use Rapid Cure 400 in temperature range above 40 deg. F. Do not allow mortar or grout to freeze for the first 72 hours

CURING AND GROUTING

A minimum cure may be obtained in 2 hours, depending upon ambient temperatures and tile and substrate absorption. Grouting may be done before mortar takes its final set if EXTREME caution is used not to break the possibly early fragile mortar bond to the tile. Normal grouting should be done after 4 hours.

STORAGE LIFE

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

MIXING

As a dry-set mortar: Use Rapid Cure 400 as a direct replacement for water. Add mortar to the liquid and mix to a smooth mortar (approximate ratio 50 lbs. powder to 1 ½ gallons Rapid Cure 400). Do not use a high speed drill to mix mortar. Mix only small amounts at first until you ascertain the optimum size mixed batch that you can use. Do not re-temper mortar.

As a grout additive: Rapid Cure 400 must be used as a direct replacement for water with grouts. Mix only the amount of grout that can be used within 15 minutes. Do not use a high speed drill for mixing, and do not re-temper mortar. Apply grout in normal fashion as directed by the manufacturer. Tile set with Rapid Cure 400 may be grouted as soon as tiles are firm. Care must be taken so as not to disturb initial bond through use of “knelling boards”.

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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