

PRODUCT DESCRIPTION

QUICKCURE is a polymer-modified dry-set mortar designed to be used as a fast setting bond coat for the installation of all types of tile over a variety of substrates.

QUICKCURE enables the contractor to set tile and grout within 2 hours to provide a finished installation which can be open to full foot traffic in hours. These areas include tile repairs, main entrances, elevator waiting areas, escalator landings and other areas requiring minimum downtime.

▶ AREAS OF USE

A pre-packaged system, QUICKCURE only requires the addition of water to provide a mortar with superior bond strengths, freeze-thaw stability and flexibility for use over both interior and exterior installations including plumb and true masonry, cementitious backer units, cured Portland cement mortar beds, brick, ceramic tile, terrazzo and marble. QUICKCURE can also be used within interior dry areas over Exterior Grade Plywood (EGP), plaster and gypsum board (interior dry walls only).

▶ LIMITATIONS

QUICKCURE must not be applied over asphalt sheeting, vinyl covered wallboard, Masonite®, cement asbestos board, metal, glass, plastic, luan (larch) plywood or gypsum mortar beds. Improperly cured or wet plywood, particle board or stripwood surfaces are not considered suitable substrates. QUICKCURE is not affected by prolonged contact with water, but does not form a waterproof barrier. When used to install tile in an area that will be continually wet (e.g. swimming pools, gang showers, etc.) it is recommended that the complete installation shall be cured a minimum of 14 days and allowed to thoroughly dry before exposure to water. Use in a temperature range of 40°F to 90°F (4°C to 32°C). (Do not allow mortar to freeze for the first 72 hours.) Some green or red marbles may warp when installed with setting materials causing loss of bond and/or damage to the finish. These marbles must be set with COLORSET EPOXY 931.

▶ APPLICABLE STANDARDS

Conforms to requirements for dry-set mortars found in ANSI A118.1, ANSI A118.4, ANSI A108.5.

Color — Gray.

Texture — Powder, consisting of Portland cement, graded aggregate, organic and inorganic chemicals.

▶ PACKAGING

25 lb. (11.3 kg) and 50 lb. (22.7 kg) multi-wall bags.

INSTALLATION

▶ PREPARATORY WORK

All surfaces on which tiles are to be set must be dry, structurally sound, and not subject to temperatures below 40°F (4°C) or above 100°F (38°C). Detailed installation procedures may be found in the TCA Handbook and ANSI A108.5. Surfaces must be dry and free of all grease, oil, dirt, dust, curing compounds, sealers, coatings and any other foreign matter.

▶ CEMENTITIOUS SUBSTRATES

Cleaning may be accomplished via mechanical sanding, scraping or chipping. Surfaces may be cleaned with muriatic acid (*use proper precautions*) if thoroughly flushed and neutralized. Smooth, steel troweled concrete floors must be roughened to ensure a good bond. It is advisable to dampen dry porous concrete before installing ceramic tile with QUICKCURE mortar. Do not leave puddles or standing water on surfaces.

▶ PLYWOOD SUBSTRATES

All wooden flooring, when placed over conventional floor joist or other systems should be of a design and thickness so as to maintain a substrate of deflection not to exceed 1/360 of span, including live and dead load. Further, the area to receive QUICKCURE should be exterior grade plywood (EGP) only, secured with screw-type nails and glued where possible. To allow for expansion, a gap of 3/16" (5 mm) must be left between sheets of plywood and between plywood edges and all other materials which they abut. These gaps must remain empty when the installation is complete. In addition, all wooden surfaces must be for interior use only and protected from exposure to water.

▶ NON-CEMENTITIOUS SUBSTRATES

Surfaces that produce bonding problems, such as stripwood, old plaster or painted surfaces, should be covered with a cleavage membrane topped with a 3/8" to 3/4" (9.5 to 19 mm) reinforced mortar bed for walls and a 1 1/4" (32 mm) reinforced mortar bed for floors. After a minimum of 20 hours, the dry-set mortar may be applied to the mortar bed.

▶ CERAMIC TILE SUBSTRATES

It is absolutely essential that the existing tile be well bonded. The surface must be prepared in accordance with the requirements for cementitious surfaces. It is also necessary to abrade the surface to ensure proper bonding.

▶ EXPANSION JOINTS

Expansion joints shall be installed in accordance with local building codes. See EJ 171 in TCA Handbook for detailed specifications. Expansion joints, control joints and cold joints shall never be bridged with setting material.

▶ MIXING

QUICKCURE should be added to clean, potable water only at the rate of approximately 50 lbs. (22.7 kg) powder per 1 1/2 gal. (5.7 L). Mix thoroughly until smooth. Do not use a high speed drill to mix mortar. Mix only enough mortar that can be used within 30 minutes. The proper mortar consistency is such that when applied with a notch trowel to the substrate, the ridges formed in the mortar will not flow or slump. Some stiffening of the mortar may occur prior to 30 minutes; restir occasionally. After 30 minutes, the mortar will harden, do not add water, but discard.

▶ APPLICATION

Spread mortar with flat side of trowel to key into substrate. Then apply additional mortar to a depth sufficient to be notch with a suitable trowel that will leave only enough mortar to give 100% contact with back of the tile and a subsequent mortar bed of 3/32" to 3/16" (2.4 to 5 mm). With high lug tiles, "back buttering" may be required to ensure 100% coverage to back of tiles. During the setting of tile, 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 embedded to obtain good transfer of mortar to tile and for proper alignment. Do not adjust tiles in mortar after they have been set past 15 minutes.

NOTE: As a practical test, it is recommended that 3 or more separate 12 inch square (.3 m²) areas of tile be bonded to the properly prepared surface with the actual tile and bonding material that will be used on the finished installation. These should be allowed to cure for 3 to 7 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.

▶ CLEANING

Water is all that is needed to remove uncured mortar.

▶ CURING AND GROUTING

Grouting can begin as soon as the tiles are firmly set — 2 hours after setting. For most installations, CUREPERFECT 930, SUPREME 925 or MP® GROUTS 923, 924 will be acceptable. Grout in the normal manner. (See grouting instructions on appropriate pages.) If an accelerated grout is necessary, use AR® 922 or SUPREME 925 and mix with CUREFAST® 941, following instructions on CUREFAST 941 data sheet.

▶ WARRANTY

QUICKCURE 908 and MP SANDED 924 are included in C-Cure's Five Year System Warranty. For terms and conditions see Warranty Document #WRTDS.

GUARANTEE

The recommendations, suggestions, statements and technical data are based on the best knowledge available to C-Cure and are given for informational purposes ONLY and without any responsibility for their use.

C-Cure MAKES NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THE PRODUCT SOLD HEREIN except that the quality of the ingredients shall be in accordance with C-Cure specifications. It is expressly understood and agreed that the buyer's sole and exclusive remedy shall be replacement of defective products and under no circumstances shall C-Cure be liable for incidental or consequential damages. C-Cure neither assumes nor authorizes any others to assume for it any liability with respect to furnishing of the product. Handling and use of the product are beyond the control of C-Cure, therefore, no warranty is made, expressed or implied, as to the results obtained from the use of the product or against any claims for infringement of patents resulting from the use of the product.

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QuickCure 908

Fast Setting Latex-Portland Cement Mortar — EGP

QUICKCURE 908 TECHNICAL DATA			
TEST		TYPICAL VALUES	
*A. Open Time @ 70°F (21°C)		10 Minutes	
*B. Adjustability @ 70°F (21°C)		15 Minutes	
*C. Bucket Life @ 70°F (21°C)		45 Minutes	
D. Shear Bond ANSI A118.1 Non-Vitreous Tile	2 Hours	290 psi (20 kg/cm ²)	
	4 Hours	330 psi (23 kg/cm ²)	
	7 Days	600 psi (42 kg/cm ²)**	
Vitreous (Quarry) Tile	2 Hours	300 psi (21 kg/cm ²)	
	4 Hours	470 psi (33 kg/cm ²)	
	7 Days	580 psi (40 kg/cm ²)**	
Italian Tile (over wood)	2 Hours	62 psi (4 kg/cm ²)	
	4 Hours	200 psi (14 kg/cm ²)	
	7 Days	340 psi (24 kg/cm ² ***)	
Quarry Tile (over wood)	2 Hours	100 psi (7 kg/cm ²)	
	4 Hours	225 psi (16 kg/cm ²)	
	7 Days	340 psi (24 kg/cm ² ***)	
E. Safety—CAUTION: May cause eye, skin or lung injury. Contains free silica. Prolonged exposure to dust may cause delayed lung disease (silicosis). Eliminate exposure to dust. Use NIOSH approved mask for Silica dust. Contains Portland cement. If any cement or cement mixtures get into eye, flush immediately and repeatedly with water, and consult a physician promptly. Freshly mixed cement, mortar, concrete or grout may cause skin injury. Avoid contact with skin where possible and wash exposed skin areas promptly with water.			
KEEP OUT OF REACH OF CHILDREN			
F. Storage Life—One year if kept dry in sealed bag.			

*These values reflect the results of practical testing methods closely associated with applications in the field.

**Tile Failure — Bond Intact

***Plywood delaminated

COVERAGE			
PRODUCT	SQUARE FEET (M ²) PER 50 LB. (22.7 KG) BAG		
	1/4" x 1/4" x 1/4" (6 x 6 x 6 mm) Square-Notch Trowel	1/4" x 3/8" x 1/4" (6 x 9.5 x 6 mm) Square-Notch Trowel	1/2" x 1/2" x 1/2" (13 x 13 x 13 mm) Square-Notch Trowel
QUICKCURE 908	77 (7.1)	66 (6.1)	40 (3.7)

Members of National Tile Contractors Association,
Materials & Methods Standards Association, Ceramic Tile Distributors Association.

NOTICE: The information in this bulletin is presented in good faith, but no warranty, express or implied, is given nor is freedom from any patent. In as much as any assistance furnished by C-Cure with reference to the safe use and disposal of its products is provided without charge, C-Cure assumes no obligation or liability therefore, except to the extent that any such assistance shall be given in good faith.

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