
CRETEMIX™ MORTAR SYSTEM

- Two part mortar system for high traffic installations
- Flexible and shock resistant
- Highly water and weather resistant
- Mix with CustomCrete® Latex Mortar Admix
- Exceeds ANSI A118.4

PRODUCT DESCRIPTION

CreteMix™ Mortar is used in combination with CustomCrete® Latex Mortar Admix to form a latex thin bed mortar that is flexible and shock resistant. It's rated for heavy traffic conditions in industrial, commercial and institutional installations. Excellent for wet areas, outdoor use and underwater areas such as pools and fountains. Premixed – no job site blending of powders.

USES — TILE TYPES

- Vitreous, semi-vitreous or absorptive tile:
ceramic, mosaic, quarry, cement, glass mosaics
- Impervious porcelain
- Brick and mini-brick
- Precast terrazzo
- Natural stone tile

AREAS OF USE

- Interior or exterior floors, countertops, walls
- Concrete, mortar beds, masonry, Portland cement plaster
- WonderBoard®, RhinoBoard™ cement backerboards
- Gypsum wall board (dry areas)
- Water-resistant wallboard

LIMITATIONS

- Do not bond directly to hardwood, Luan plywood, particle board, parquet, cushion or sponge-back vinyl flooring, metal, fiberglass, plastic and OSB panels.
- When setting moisture sensitive natural stone or agglomerates (check with manufacturer) use OptiCure™ Fortified Thin-Set Mortar or 100% Solids Epoxy Mortar.
- Do not use to install resin-backed stone.

SURFACE PREPARATION

General Surface Preparation:

Surfaces must be structurally sound, clean, dry and free from grease, oil, dirt, curing compounds, sealers, adhesives or any other contaminant that would prevent a good bond. Glossy or painted surfaces must be sanded, stripped and cleaned of waxes, dirt or any contaminants. Ambient temperature, surfaces and materials should be maintained at a temperature above 50° F (10° C) or below 100° F (38° C) for 72 hours.

Cementitious Surfaces:

Concrete or plaster must be fully cured and accept water penetration. Test by sprinkling water on various areas of the substrate. If water penetrates, then a good bond can be achieved. If water beads, surface contaminants are present and loss of adhesion may occur. The contaminants should be removed before installation. Concrete must be free of efflorescence and not subject to hydrostatic pressure. Concrete slabs should have a broomed or brushed finish to enhance the bond. Smooth concrete slabs must be roughened to ensure a good bond.

Expansion Joints:

Expansion joints, control joints and cold joints should never be bridged with setting material. They must be brought through the tile work and filled with an appropriate elastomeric sealant.

MIXING

Thoroughly mix 5 quarts (4.73 L) of CustomCrete Latex Mortar Admix and a 50 lb. (22.68 kg) bag of CreteMix Mortar to a smooth, paste-like consistency. Mix by hand or use a low speed (150 - 200 RPM) 1/2" (13 mm) drill. Let slake or stand 5 - 10 minutes, stir again and use. Stir occasionally to keep fluffy, but do not add additional water or additive. When properly mixed, troweled ridges will stand with no slump.



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APPLICATION

INSTALLATION TO CONFORM TO ANSI A108.5. Use proper sized notch trowel to ensure 100% coverage under tiles. Using flat side of trowel, apply skim coat of mortar to the surface. Apply additional mortar with notched side of trowel held at a 45° angle to the surface, combing in one direction. Press tile firmly into place in a perpendicular motion across ridges, moving back and forth. Perpendicular pressing flattens ridges and closes valleys allowing maximum coverage. With some tile, back buttering is advisable. Adjust tile promptly and beat in with block and rubber mallet. Periodically pull up a tile and check the back to ensure complete coverage with the adhesive. Do not spread more material than can be tiled in 15 minutes or while material has wet tack (sticky to the touch). If material has skinned over (not sticky), recomb with notch trowel. If too dry, remove and replace with fresh material. Material in bucket will remain workable in excess of 2 hours.

CURING

Allow to cure for a minimum of 24 hours before grouting or light traffic, depending upon temperature and humidity. In areas that will be continually wet (e.g. swimming pools, fountains), it's recommended that the completed installation be cured a minimum of 14 days and allowed to thoroughly dry before water submersion. Curing times vary with weather conditions and humidity; special conditions may require curing up to 28 days.

COVERAGE

80 - 90 sq. ft. per 50 lbs. (7.4 - 8.4 m²/22.68 kg) applied with a 1/4" x 1/4" x 1/4" (6 x 6 x 6 mm) square-notch trowel.

CLEAN-UP

Clean with water before material dries.

STORAGE

Store in a cool dry area.

SAFETY

Contains Portland cement. Avoid eye contact or prolonged contact with skin. Wash thoroughly after handling. If eye contact occurs, flush with water for 15 minutes and consult a physician. This product contains free silica. Do not breathe dust; wear NIOSH approved respirator.

ORDERING INFORMATION

ITEM CODE	SIZE	COLOR	PACKAGE
CMC50	50 lb. (22.68 kg)	Gray	Bag
CMW50	50 lb. (22.68 kg)	White	Bag

TECHNICAL DATA

Exceeds ANSI A118.4 specifications.

	CRETEMIX WITH CUSTOMCRETE
Open Time	50 minutes
Adjustment Time	30 minutes
Shear Bond @ 28 Days:	
Bisque Tile	500 psi (35.2 kg/cm ²)
Porcelain Tile	500 psi (35.2 kg/cm ²)



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