CEMENTPRO®
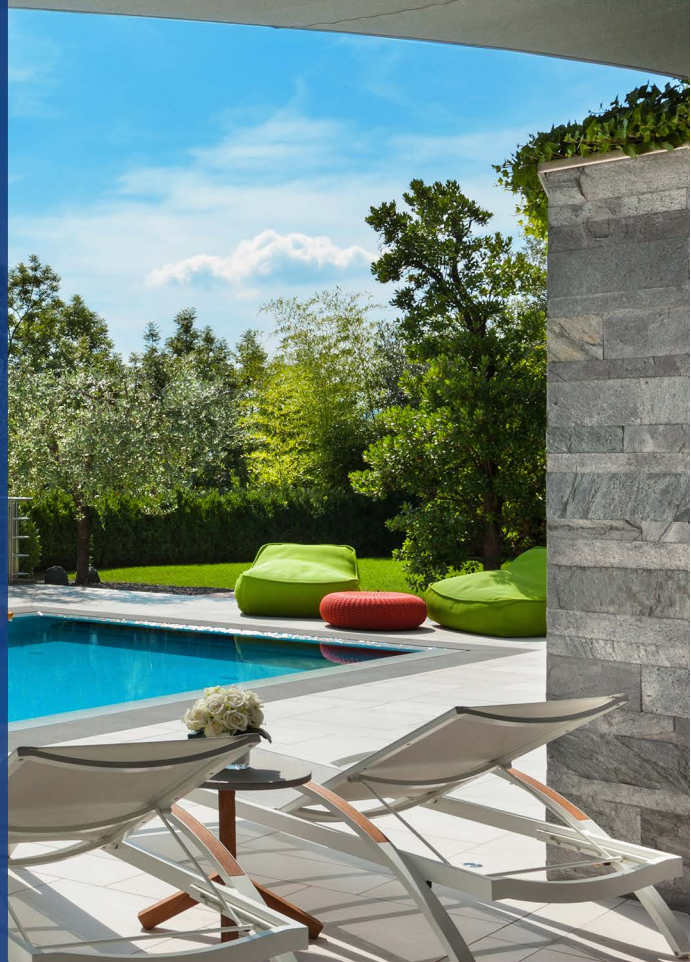
MULTI PRO

TECHNICAL DATA SHEET

PRODUCT DESCRIPTION

MULTI PRO is an economical, multi-purpose, polymer-modified thin-set mortar with good bond strength for tile installations over most surfaces. Recommended use for basic floor and wall tile installations.

Available in Gray and White 50 Lb. bags

INDUSTRY STANDARDS AND APPROVALS

- Exceeds A118.1 A118.4 ANSI Requirements
- Fulfills A118.11 ANSI Requirements when mixed with CP-25 Acrylic Admix

WHERE TO USE

- Interior and exterior applications.
- Residential and light commercial installations.
- Installation of Tile non-vitreous (high water absorption).

- Installation of ceramic, quarry, pavers, brick, cement-based precast terrazzo, and natural stone in floor and wall applications.
- Installation of some vitreous (low water absorption) tile (porcelain tile) in floor applications.

SUITABLE SUBSTRATES

- Concrete.
- Masonry, Portland cement plaster, and cement board.
- Interior dry areas over gypsum board.
- To bond over exterior grade plywood, it is recommended when CP-25 Acrylic Admix is used in place of water, exceeding ANSI A118.11 specifications.

LIMITATIONS

- Do not apply when the temperature is below 50°F or above 90°F.
- Not to be used over asphalt sheeting, vinyl wall board, metal, plastic, gypsum mortar beds, particle boards, OSB (chip board) or masonite surfaces.

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- Not for use on moisture sensitive stones.
- Do not use for installations subject to prolonged water immersion.
- Do not walk on or grout for at least 24 hours after application.

SURFACE PREPARATION

- Surface should be clean, hard, and free from dirt, dust, sealers, or any other bond breaking contaminants.
- Substrate prep should be in compliance with ANSI A108.01 "General Requirements: Subsurfaces and Preparations."
- Concrete slabs must be fully cured, (28 days), structurally sound and dimensionally stable.
- Surfaces should be frost free and between 50°F and 90°F before installation.
- Consult TCNA method EJ171 for expansion joint placement.

MIXING

1. Pour clean, potable water or acrylic admixes in a clean mixing container. A full bag (50 lb.) of MULTI PRO needs approximately 5.8 quarts (5.5 liters) of water or acrylic admixes.
2. Gradually add the contents of the bag to the liquid and mix thoroughly by hand or by using a slow speed drill and mixing device for 3 minutes or until lump free and into a thick and creamy consistency.
3. Allow the mortar to stand 10 minutes and mix again.
4. The proper finished consistency is reached when the trowel ridges remain upright without flow or slump. Occasional mixing of the mortar during use is recommended. However, DO NOT re-temper. The addition of water (re-tempering) can reduce the materials performance and bond strength.

APPLICATION

(Refer to current ANSI A108.5 specifications and TCNA handbook guidelines.)

1. Use a properly-sized notch trowel to ensure proper coverage under tiles.
2. Using the flat side of the trowel, with pressure, apply a coat of mortar to the surface.
3. Then, with the notch side of the trowel held at a 45° angle, apply additional mortar to the surface, combing in a single direction, ensuring the maximum contact area between the tile and the surface.
4. Adjust the tile promptly and lightly, beat it in with a rubber mallet.
5. Periodically pull up a tile and check the contact area in the back to ensure proper adhesion. Open time can vary with jobsite conditions.
6. Apply only as much mortar as can be tiled before product skins over, if the material has skinned over too dry, remove, and replace with fresh mortar.

CURING

- The length of the initial set and full cure depends on climate conditions, usually 24 to 48 hours.
- Allow for proper curing prior to application of grout.
- DO NOT accelerate the curing of this material with mechanical fans or heating devices.
- Always do a test with the bonding mortar to verify the suitability of the bond to the substrate.

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COVERAGE PER BAG

½" x ½" x ½"	COVERS	50 to 70 sq. ft.
¼" x ⅜" x ¼"	COVERS	70 to 95 sq. ft.
¼" x ¾" x ¼"	COVERS	85 to 100 sq. ft.

TECHNICAL INFORMATION

MultiPro	Test results with Water	Test results with CP 25 or CP 50
Open Time	55 - 60 min.	45 - 55 min.
Adjustment Time	30 - 35 min.	25 - 30 min.

Shelf Life	2 Years

ANSI SHEARBOND RESULTS @ 28 DAYS

Materials Tested	With water	With CP Admix	ANSI A118.1	A118.1 & A118.11
Ceramic Tile	355 PSI	500 PSI	250 PSI	250 PSI
Porcelain Tile	260 PSI	320 PSI	200 PSI	200 PSI
Quarry Tile to Plywood	160 PSI	210 PSI	N/A	150 PSI

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PRECAUTIONARY STATEMENTS

- This material contains Portland cement, silica sand and polymers.

- Contact with dry or freshly mixed mortar, grout or concrete may cause skin irritation.

- If direct contact occurs, wash exposed skin areas promptly with soap and water.

- If any cement material gets into the eyes, rinse immediately and repeatedly with water, and seek prompt medical attention.

- For detailed information on how to use and handle this product safely, see the Material Safety Data Sheet.

KEEP OUT OF REACH OF CHILDREN

CEMENTPRO, as a manufacturer of processed material in the state of California, is required by Proposition 65 to provide warning that one or more of the components contained in this product could contain chemicals known to the state of California to cause cancer, birth defects or other reproductive harm. The state of California requires the above warning in the absence of definitive testing to prove that the defined risks do not exist. We believe this product complies with all other applicable state and federal laws and regulations governing manufacture, distribution and intended use.

WARRANTY

1-Year Product Limited Warranty.
Obtain the applicable
LIMITED PRODUCT WARRANTY

at https://cementpro.com/warranty/

When Multi Pro is used as part of an installation system of CEMENTPRO products, this can qualify for up to a 5-year system warranty. Reference the applicable System Warranty at **www.cementpro.com**

For Warranty Questions:

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Email: Warranty@cementpro.com