



FLEX PRO

TECHNICAL DATA SHEET



PRODUCT DESCRIPTION

FLEX PRO is a polymer-modified, thin-set mortar that is factory blended with premium ingredients to produce exceptional bond strength and workability as well as a creamy and flexible solution. This product is designed for installing ceramic, porcelain, glass, and natural stone tiles over difficult surfaces such as plywood subfloors and existing tile.

Available in Gray and White 50 Lb. bags

INDUSTRY STANDARDS AND APPROVALS

Exceeds A118.1 A118.4 A118.11 ANSI Requirements

WHERE TO USE

- Residential and commercial installations.
- Walls, floors, interior, and exterior applications.
- Installation of ceramic, porcelain, glass, and quarry tile; natural stone tiles, mini-brick, pre-cast terrazzo and most other types of absorptive tiles.

SUITABLE SUBSTRATES

- Concrete.
- Masonry, and cement board.
- Existing ceramic tile.
- Exterior grade plywood per ANSI A108.5 specifications.
- Interior dry areas over gypsum board and ridged plywood substrates.

LIMITATIONS

- Not to be used over asphalt sheeting, vinyl wallboard, metal, glass, plastic, gypsum, mortar beds, particle board, OSB (chip board) or masonite surfaces.
- Do not use for moisture-sensitive stone.

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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 for 72 hours before installation can begin.
- 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 FLEX PRO needs approximately 5 quarts (4.5 - 5 Liters) of water.
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.
3. Mix the material until lump free and into a thick and creamy consistency.
4. Allow the mortar to stand 10 to 15 minutes and mix again.
5. The proper finished consistency is reached when the trowel ridges remain upright without flow or slump.
6. 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.
7. Clean all tools after use with soap and water.

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

$\frac{3}{4}'' \times \frac{3}{4}'' \times \frac{3}{4}''$	COVERS	35 to 50 sq. ft.
$\frac{1}{2}'' \times \frac{1}{2}'' \times \frac{1}{2}''$	COVERS	50 to 70 sq. ft.
$\frac{1}{4}'' \times \frac{3}{8}'' \times \frac{1}{4}''$	COVERS	72 to 85 sq. ft.
$\frac{1}{4}'' \times \frac{1}{4}'' \times \frac{1}{4}''$	COVERS	85 to 100 sq. ft.

TECHNICAL INFORMATION

Shelf Life	2 Years
Open time	55 - 60 min.
Adjustment Time	30 - 35 min.

ANSI SHEARBOND RESULTS @ 28 DAYS

Materials Tested	With water	With CP Admix	ANSI A118.1	A118.1 & A118.11
Ceramic Tile	600 PSI	No additives needed	250 PSI	300 PSI
Porcelain Tile	395 PSI	No additives needed	150 PSI	200 PSI
Quarry Tile to Plywood	345 PSI	No additives needed	100 PSI	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

CEMENT PRO, 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 Flex Pro is used as part of an installation system of CEMENTPRO products, this can qualify for up to a 25-year system warranty. Reference the applicable System Warranty at www.cementpro.com

For Warranty Questions:

Write to: 3929 E Guasti Rd, Unit C
Ontario, CA 91761
Call: (951) 300-0300 Ext. 600
Email: Warranty@cementpro.com

