



# MAXIBOND PRO

TECHNICAL DATA SHEET

## PRODUCT DESCRIPTION

A premium polymer modified thin set, all purpose mortar with high flexibility and bond strength, smooth and easy to apply. Portland cement based and formulated with high quality additives and controlled aggregates. It is designed for installing a wide range of tile and stone over different kind of substrates, great adhesion to plywood subfloors, porcelain and glass tile installations. Anti sag properties, ideal for wall installations. Exceeds ANSI A118.4 and ANSI 118.11.

## SURFACE PREPARATION

All substrates must be solid, structurally sound, stable, dry, clean, and free of any substance that may reduce proper adhesion (oil, grease, paint, sealers, wax, soap, etc.). Contaminants should be mechanically removed before the installation. Plywood floors, including those under resilient flooring, must be structurally sound and must meet all industry guidelines. The surface should be between 50°F - 90°F at the moment of the application.

## PLACEMENT

Refer to current ANSI 108.5 specifications and TCA handbook.





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## MIXING

Use cold and clean water in a clean container. A full bag of 50 lb of **MAXIBOND-PRO** will need 7 liters of water (7.4 quarts). *DO NOT ADD WATER TO POWDER.* Gradually add the powder to the water. Using an electric drill with an angled cross-blade mixer, mix for 2 or 3 minutes until the material becomes a smooth, lump free paste. Do not mix more material than can be used in 30 minutes. The pot life of the material is affected by jobsite and weather conditions. Let the mixture slake or stand 5 minutes before apply; stir occasionally, but *DO NOT ADD MORE WATER*, re-tempering can reduce the materials performance and bond strength. The water temperature will affect the setting time, using cold water in high temperatures and warm water in cold temperatures will help adjust mix temperature.

## APPLICATION

Refer to ANSI A108.5 specifications and TCNA Handbook guidelines. Use a properly-sized notch trowel to ensure proper coverage under tiles. Using the flat side of the trowel, with pressure apply a coat of mortar to the surface, then with the notch side of the trowel held at 45° angle, apply additional mortar to the surface, combing in a single direction, ensuring the maximum contact area between the tile and the surface. Adjust the tile promptly and lightly beat it in with a rubber mallet. Periodically pull up a tile and check the contact area in the back to ensure proper adhesion. Open time can vary with jobsite conditions. 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. Thin-set mortar should not be used to fill low spots in the flooring.

## CURING

Protect floor from rapid excessive drying due to temperature and air for 24 hours before grouting.

## USES

**MAXIBOND-PRO** is suitable for vitreous, semi-vitreous or non-vitreous tile; ceramic, mosaic, quarry, Saltillo tile, cement body tile; impervious porcelain and glass tile; brick, stone veneer, pavers and most types of marble, granite and natural stone. Over suitable substrates: concrete, mortar beds, masonry cement block, brick, leveling coats, Portland cement plaster; cement backerboards, liquid applied waterproofing membranes, crack prevention sheet membranes, exterior grade plywood, and gypsum wallboard. Also is suitable over properly prepared (scarifying) existing ceramic and porcelain tile. It is recommended to be used in most interior and exterior residential installations on floors and walls. **MAXIBOND-PRO** is excellent for exterior and interior commercial use, ideal for residential jobs and repairs.

## COVERAGE PER BAG

1/4" x 1/4" x 1/4" (6 x 6 x 6 mm) covers 80 sq. ft. (7 m<sup>2</sup>)  
1/4" x 3/8" x 1/4" (6 x 10 x 6 mm) covers 60 sq. ft. (5 m<sup>2</sup>)

## TECHNICAL INFORMATION

Open time	30 min.
Adjustment time	2 hrs.
Time before grouting	2.5 hours
<b>SHEARBOND RESULTS @ 28 DAYS</b>	
Glazed tile	600 PSI
Impervious ceramic tile	450 PSI
Quarry tile to plywood	250 PSI



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## LIMITATIONS

Do not apply when the temperature is below 50 °F or above 90 °F. Do not use for moisture-sensitive stone, some limestone, green granite, agglomerate tiles or resin-backed tiles. Do not use over dimensionally unstable substrates such as hardwood flooring, oriented strand board (OSB). Do not use for installations subject to prolonged water immersion.

## WARNINGS

This product contains Portland cement which contains greater than 0.1% crystalline silica. Prolonged or occupational exposure to airborne crystalline silica may cause lung disease or cancer. For detailed information on how to use and handle this product safely, see the Material Safety Data Sheet.

**CEMENT PRO**, as a manufacturer of processed material in the State of California, we are required by Proposition 65 to warn 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.

## CAUTION

Recommendations for the use of this product are based on reliable tests. No guarantee of results is made where conditions are beyond our control. No representations either expressed or implied are made with respect to the product except as herein stated and under no circumstances, either expressed or implied, will CEMENT PRO be held liable for damages in excess of the purchase price of this product. Storage Life - One year if kept in a dry sealed bag.

## WARRANTY

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.

**KEEP OUT OF REACH OF CHILDREN**