



THIN-SET PRO

TECHNICAL DATA SHEET



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PRODUCT DESCRIPTION

A blend of premium ingredients and additives for the professional tile setter. Factory blended to produce a creamy, easy to spread mortar with good bond strength and workability for tile installations over a variety of surfaces. Meets ANSI 118.1 specifications when is mixed with clean water. **THIN-SET PRO** meets ANSI 118.4 and ANSI 118.11 when is mixed with Cement Pro's liquid additive CP 250.

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 108 AN-2 "General Requirements for Sub-Surfaces". Concrete slabs must be fully cured (28 days), structurally sound and dimensionally stable. Surfaces should be frost free and between 50 oF - 90 oF for 72 hrs before installation can begin. Consult TCA method EJ 171 for expansion joint placement.

PLACEMENT

Refer to current ANSI 108.5 specifications and TCA handbook.





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MIXING

Use clean potable water or CP 250 additive in a clean mixing container. A full Bag of **THIN-SET PRO** needs approximately 5 quarts (4 1/2 - 5 liters) of water or additive. 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. Mix the material until lump free and into a thick and creamy consistency. Allow the mortar to stand 10 to 15 minutes and mix again. 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.

USES

THIN-SET PRO mortar is specifically for the installation of ceramic tile. However, with the addition of CP 250 admix, surfaces such as: porcelain, quarry, natural stone tiles, mini-brick, pre-cast terrazzo and most other types of vitreous tiles can be installed. **THIN-SET PRO** can be used on walls, floors, interior and exterior applications. Install over masonry, concrete floors and cement backerboard. This product is suitable for residential and light commercial installations. **NOT FOR USE ON MOISTURE SENSITIVE STONES.**

LIMITATIONS

Not to be used over asphalt sheeting, vinyl wallboard, metal, glass, plastic, gypsum mortar beds, particle board, OSB (chip board) or Masonite surfaces.

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 sub straight.

COVERAGE PER BAG

1/4 x 1/4	Square notched	85-100 sq. ft.
1/4 x 3/8	Square notched	70-85 sq. ft.
1/2 x 1/2	Square notched	50-70 sq. ft.

INFORMATION

	ANSI 118.1 mixed with water	ANSI 118.4 & ANSI 118.11 with CP 250
Open time	55-60 min	55 min
Adjustment time	30-35 min	30-35 min
Sheerbond results @ 28 days		
Bisque Tile	285 PSI	375 PSI
Porcelain Tile	205 PSI	275 PSI
Quarry Tile to Plywood	N/A	170 PSI

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.



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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