



DESCRIPTION: Master Wholesale M-SET thin-set is a multi-purpose thin-set system used for setting all types of ceramic tile and dimensional stone. The system consists of two components: M-SET thin-set mortar (powder), and Master Wholesale Multi-Purpose Latex (liquid). The two are mixed together to form a creamy mortar mix which yields a high-strength bond to all surfaces common to ceramic tile installations. M-SET thin-set is recommended for application over all structurally sound substrates, including concrete slabs, glass mesh or cement backer board, exterior grade plywood, and ceramic tiled surfaces. M-SET thin-set can be used horizontally and vertically, both interior and exterior. This product is available in Gray or White powder.

PROPERTIES & TECHNICAL DATA:

M-SET thin-set meets or exceeds the requirements of ANSI A118.4 - 1985 for latex-Portland cement mortar.

7-Day Compression/Shear Bond Strength - Quarry tile:	300 psi
7-Day Compression/Shear Bond Strength - Glazed Wall Tile:	400 psi
Tensile Bond Strength (failure occurs in substrate before mortar fails)	>400 psi
Compressive Strength:	4000 psi
Flexural Strength	938 psi

- Excellent Workability
- Excellent Shear Bond and Tensile Bond Strengths
- Highly Water Resistant
- High Compressive Strength
- Excellent Grab
- Superior Freeze/Thaw Resistance
- Mixes Easily
- For Interior, Exterior, Horizontal, Vertical Applications
- Water Clean Up

MIXING AND APPLICATION INSTRUCTIONS:

1. All surfaces to be covered must be clean and free of dust, oil, grease, curing compounds, sealers, loose or scaly materials, and other foreign matter which may create bonding problems. When applying tile over very smooth concrete, ceramic tile, or other smooth surfaces, we recommend mechanical abrasion by sanding with coarse sandpaper to scratch and roughen the surface.
2. Vacuum the surface, then brush on a slurry coat of M-SET thin-set mortar and Master Wholesale Multi-Purpose Latex mixed to the consistency of a creamy paint. Allow to dry. When applying M-SET thin-set over plywood, we also recommend a slurry coat as previously described. Due to the limitations of plywood as a substrate material, we do not recommend the application of tile or the use of M-SET thin-set over plywood in exterior wet or heavy traffic areas. Please refer to the TCA (Tile Council of America) handbook for proper method of installation over plywood.
3. Add, while stirring a 50 lb. sack of M-SET thin-set mortar to approximately 6 quarts of Master



Wholesale Multi-Purpose Latex. Mix with a low speed drill and paddle mixer (less than 400 rpm) or hoe in a mortar box to a smooth trowel-able consistency. More or less of the Master Wholesale Multi-Purpose Latex may be used to obtain the desired consistency. The mortar mix should be stiff enough to rib well and trowel easily without being runny. Allow the mixture to stand (slake) for about 15 minutes, then re-stir before applying. The mortar mixture should be re-stirred during use.

4. Apply a thin coat of the M-SET thin-set mortar mix over the surface to be tiled with the flat edge of a trowel. Then apply the mix using the correct size notched trowel to assure complete coverage of the substrate and the back of the tile (1/4" square notch minimum recommended). Do not apply M-SET thin-set to an area greater than can be tiled within 15 minutes. If any evidence of "skinning" or setting appears, re-comb the mortar with the notched trowel.
5. Apply the tile with a twisting motion into a fresh bed of M-SET thin-set. Beat in the tile as soon as possible to ensure maximum contact and bond. A finished mortar bed thickness of 3/32" to 1/8" after beat-in is required. Always test the bond of back-mounted sheets of tile to ensure adhesion of each tile.
6. Traffic should be kept off the installation for 48 hours. Grout after 24 to 48 hours. High lugged back tiles require more mortar and therefore take a longer time to set before grouting.

PACKAGING AND COVERAGE: M-SET thin-set Mortar comes in 50 lb. sacks. Master Wholesale Multi-Purpose Latex comes in 1-gallon and 5-gallon containers. Coverage with a 1/4" x 1/4" square notch trowel is approximately 75 S/F per 50 lb. sack of M-SET thin-set.

HEALTH HAZARD WARNING: M-SET thin-set powder contains Portland cement and silica sand. DO NOT breathe dust (doing so may cause delayed lung injury). Follow OSHA Safety and Health Standards for Crystalline Silica (quartz). Protect eyes to avoid possible eye injury. If M-SET thin-set (powder or latex) gets into the eye, flush immediately and repeatedly with water, and contact a physician promptly. Protect skin - avoid contact with skin and wash exposed skin areas with water. Keep M-SET thin-set (powder and latex) away from children. Do not ingest internally.

NOTICE: The information stated in this product specification is given in good faith. Because use of this product is beyond the control of your distributor or the manufacturer, no warranty, expressed or implied, is given.

DISTRIBUTED BY:

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