



S-3600 MP Light Weight Mortar and Grout

PRODUCT DESCRIPTION:

S-3600 light weight mortar and grout is a high quality multipurpose light weight mortar and grout formulated with a special powdered latex and light weight glass spheres to provide the ability to set tile by thin bed method for floors and walls or by medium bed method for floors S-3600 may also be used as a grout for floors or walls. S-3600 versatility provides all these benefits with less weight than a conventional sand cement mix. Meets or exceeds ANSI A118.1, A118.4 and A118.11.

USES:

This product can be used over clean masonry surfaces, cementitious backer board, gypsum drywall, or exterior plywood APA grade, C-C plugged or better. (plywood installations interior, non-wet areas only).

LIMITATIONS:

Do not use over rubber, cutback adhesive, terrazzo, synthetic resilient flooring, or strip wood floors, carpet or wood adhesive, Luan plywood, particleboard, wafer board, Masonite, metal, plastic or fiberglass. Do not use in either wet or exterior areas over wood substrates. Installation failure will result from wet wood. Do not apply over single sheet, plywood floors.

TECHNICAL DATA: Physical properties:

Shear bond Strength after 7 day cure	PSI
6"x6"x 1/2" Quarry tile,	200
6"x6"x 1/2" Quarry to plywood	120
2 1/4"x 3 1/2"x 9/16" Thin Brick shear	370
Compression Strength, after 7 day dry cure	1310

Open time of up to 30 minutes @ 73°F and 50% RH.

Pot life approximately 80 to 90 minutes @ 73°F and 50% RH.

INSTALLATION:

Substrates: All Substrate preparation and tile installation must be in accordance with the Tile Council of North America Handbook for Ceramic, Glass, and Stone Tile Installation, ANSI A -108, and all other applicable building standards such as IBC or ICC to insure proper performance and longevity of the installation. Substrates include cured concrete, mortar bed, wood subfloor with mortar bed substrate, exterior grade plywood, drywall and masonry.

Mixing: S-3600 light weight mortar should be mixed with clean, cool potable water. Add enough water to S-3600 light weight mortar to give it a paste like consistency which is easy to trowel but will hang on an inverted trowel. Mix using a slow speed revolving bucket type mixer or a similar mixer. *Do not mix at high speed.* Remix after slaking for the appropriate time (normally 5 to 10 minutes) and add more water or Light weight Mortar powder if necessary.

APPLICATION:

Setting: Ensure that the substrate is clean, dust free and dry before applying S-3600 light weight mortar and grout. Apply S-3600 light weight mortar and grout to substrate with the appropriate sized notched trowel (1/2" radius medium bed mortar trowel), held at a 45° angle. Comb the mortar evenly in one direction only. Do not swirl comb lines as this action traps air underneath tiles and lowers effective coverage.

Grouting: Porous tile should be sealed before grouting to prevent tile staining. Always test a small area first. Force grout into joints by working grout back and forth at a diagonal with a Grout Master or similar hard rubber float or trowel, making sure that each joint is completely filled.

SETTING COVERAGE: sq. ft./lb reported

1/4"x 1/4" x 1/4" trowel	3.8 – 4.0
1/2"x 1/2" x 1/2" trowel	1.9 – 2.0

GROUTING COVERAGE: sq. ft./lb reported

Tile Size	Joint widths		
	1/4"	3/8"	1/2"
6"x 6"x 1/2"	5	3	2.5
4"x 8"x 1/2"	2.7	1.7	1.3
2-1/4"x 7-5/8"x 9/16"	2.8	1.9	1.4

CLEAN-UP:

Remove as much grout film as possible with edge of the rubber float; allow the joints to firm slightly for 10-15 minutes; slightly longer if vitreous or semi-vitreous tile is used. Then use a wet towel method or sponge with cool, clean water and drag diagonally across joints, being careful not to pull grout from joints. Use clean water only and frequently rinse towels or sponge to avoid grout shading with contamination by dirty clean-up water.

Should cleanup be insufficient after the above prescribed method, apply a saturated sulfamic acid solution (Summitville SL-70), after grout has cured 7 days minimum, to the tile surfaces to be cleaned, and allow solution to remain several minutes, and then clean with towels or burlap. After tiles are clean, rinse floor with clean water to remove any acid residue. NOTE: Saturated sulfamic acid solution is prepared by adding and mixing sulfamic acid into clean water (use clean pail) until the acid will no longer dissolve in the solution.

Should cleanup be insufficient and residue disappears when wet, residue is mostly comprised of latex as a result of not keeping cleanup materials clean enough. To remove latex haze, soak surface with Summitville SL-86 or SL-86 Gel for vertical surfaces. Allow material to saturate latex for 20 minutes, keeping area wet during soak. Scrub/agitate soaked area thoroughly with a brush that is firm, but soft enough that the brush will not scratch the tile surface and will bend around any contours of the tile in the case of textured surfaces. Wet vacuum extract cleaner/water and suspended latex after scrubbing. Rinse area with fresh clean water immediately thereafter and again remove using wet vacuum extraction only. Allow area to dry overnight and then evaluate surface to determine if a repeat cleaning is required, which may be necessary if area was not properly soaked, scrubbed thoroughly, and properly wet vacuum extracted. Latex and/or cement haze can be removed from most non pitted surfaces no matter how long the haze has existed as long as removal chemicals are compatible with tile, glass, stone surfaces to be treated.

Clean spills and tools with water. (Warm water with a small amount of detergent will expedite clean-up operation.) Dry powder spills should be swept up and disposed of in accordance with local regulations.

CAUTION:

Per ANSI A 108.02, Do not install tile in areas where the temperature is not maintained above 50°F (10°C) or the temperature is above 100°F (38°C). Mortar, substrate, tile, brick and stone temperatures must all be maintained between 50°F (10°C) and 100°F (38°C) before install and until cure is completed. JOB FAILURES CAN OCCUR FROM SETTING TILE ONTO THIN SET WHICH HAS "SKINNED". Check any mortar that has been on the substrate longer than 10 minutes by pressing a tile lightly but firmly onto the troweled ribs of mortar. Remove the freshly set tile and inspect the tile back for proper transfer and coverage per ANSI A-108 requirements. If proper coverage is not obtained, re-comb the mortar and retest, or remove and trowel down new mortar. If retroweling mortar, reset a tile and recheck for proper coverage and transfer. Repeat the process throughout the installation every few tiles. ALL TRAFFIC SHOULD BE KEPT OFF THE TILE FOR 48 HOURS WHEN S-3000 ONE STEP FLEXIBLE MORTAR IS USED AS A FLOOR MORTAR.

PROTECTING NEW TILEWORK:

To avoid damage to finished tile work, schedule floor installations to begin only after all structural work, building enclosure and overhead finishing work, such as ceilings, painting, mechanical and electrical work are completed. Keep all traffic off finished tile floors until it has fully cured or provide up to 3/4" thick plywood protection over Kraft paper to protect floors before installation materials have fully cured.

PACKAGING:

S-3600 is available in 35-pound bags. A 35-pound bag contains the same volume size as standard 50-pound mortar bags.

AVAILABLE COLORS:

S-3600 is available as a gray mortar/grout only.

Custom colors can be manufactured with minimum order quantity.

Custom material order charges will apply to any custom color order requests.