

# S-800 ACRYLIC ADMIXTURE FOR THIN SET MORTARS

**PRODUCT DESCRIPTION:**

S-800 is a specially formulated and balanced acrylic latex additive for use with Summitville, S-777 and thin set mortars. S-800 mortars are sag resistant and have superior bond strength, increased flexural strength, excellent freeze-thaw resistance, and improved workability. The use of S-800 eliminates the need for damp curing. S-800, when mixed with approved mortar, meets or exceeds ANSI A118.4 and A118.11. S-800 is nontoxic and non-flammable.

**USES:**

S-800 mortar can be used to set ceramic tile over clean dry masonry, concrete, brick, fiberglass reinforced backer board, exterior grade plywood or gypsum board. S-800 mortar should be used in interior or exterior floor and wall installations where superior mortar physical properties are required. S-800 mixed with S-777, backbuttered for 100% coverage, can be used to bond over old ceramic tile, vinyl floor covering, old adhesive, asphalt coatings, metal, and glass when surfaces are properly prepared, sound, and adhered properly to its substrate.

**LIMITATIONS:**

Installation must be protected from light traffic for a minimum of 24-48 hours and heavy traffic for a minimum of 72 hours depending on installation temperature and humidity conditions. Installations using standard grade or porous bodied tile must be protected from water saturation for a minimum of 7 days to allow proper bonding. Exterior installations subjected to freezing and thawing should be set and grouted 28 days before freezing temperatures are expected.

**TECHNICAL DATA: Physical Properties (S-800 mixed with TCA 759 thin set)**

Pot life, hrs. at 72°F	1
Skin time, min.	40-45
Sag (ANSI A118.1 C-5.7)	0.0
Hardness after 24 hrs. (Shore D)	70
Shear bond strength, psi	
After 7 day dry cure	
Wall	790
Quarry	266
After 7 day dry cure, then 7 day wet	
Wall	263
Quarry	192
After no dry cure, 7 day wet	
Wall	NA
Quarry	113

**INSTALLATION:**

**Substrate:** Substrate should be prepared and tile installed in accordance with Tile Council of America Handbook. S-800 Mortar can be used to set any type of ceramic tile over clean and dry masonry, concrete, brick, fiberglass reinforced backer board, exterior grade plywood, gypsum board, existing tile and marble.

**Mixing:** S-800 should be stirred before using. Add thin set mortar formula to S-800 liquid and mix using hand tools or slow speed power mixer. Care must be taken to avoid whipping air into mix. The mixing ratio is 1 1/2 to 2 gallons S-800 to 50 lb. bag of thin set mortar.

**NOTE:** Installation should be protected from light traffic for a minimum of 24-48 hours and heavy traffic for a minimum of 72 hours.

**CLEAN-UP:**

Clean tools immediately after use with water. Remove any mortar spills from tile immediately. Cured latex mortar is difficult to remove from tile. Summitville SL-86 will help to remove cured latex mortar.

**PROTECTING NEW TILEWORK:**

To avoid damage to finished tilework, 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 of 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.

**COVERAGE:**

Same as and S-777 coverage.

**COLOR:**

#910 White.

**PACKAGING:**

S-800 is available in 1 gal. containers, 5 gal. pails and 55 gal. drums.

**SPECIFICATIONS:**

**Material:** S-800 shall be synthetic acrylic latex resin additive as manufactured by Summitville Tiles, Inc., Summitville, Ohio, and shall meet or exceed ANSI A118.4 and A118.11. S-800 Setting Acrylic Latex Additive shall be added to Summitville S-777 formulas at the rate of 2 gallons S-800 per 50 pound bag of S-777. For setting any type of ceramic tile on interior or exterior floors or walls as stated in base product specifications.

**Color:** Color shall be #910 White.