

# S-763 THIN SET FOR WALLS

(TCA FORMULA 763)

**PRODUCT DESCRIPTION:**

S-763 is a Tile Council of America formula designed for setting most ceramic tile wall installations. This product is sag resistant, provides high bond strength and is easy to trowel. S-763 has long open time at high temperatures and meets or exceeds ANSI A118.1.

**USES:**

S-763 is recommended for setting non-vitreous and vitreous wall tile.

**LIMITATIONS:**

Do not use S-763 Thin set wall mortar over frozen or unsound painted substrates. Do not set tile when ambient and substrate temperatures are below 50°F.

**TECHNICAL DATA:**

7-Day Shearbond in psi

Non-vitreous tile	300
Vitreous tile	150

Set time at 70°F	9-15 hrs.
Open time at 70°F	greater than 40 min.
Adjustability at 70°F	greater than 25 min.

**INSTALLATION:**

Substrate Preparation: Wall surface must be structurally sound, unpainted, clean and free from dust before S-763 is applied.

Mixing: Mix S-763 slowly into clean cool potable water or S-800 (for superior bond strength, excellent freeze-thaw stability, increased flexural and water resistance). Mix thoroughly until a paste like consistency is obtained.

NOTE: For best results add S-763 to water, S-800 or S-810, not water or S-800 to S-763. Allow to slake for 5-10 minutes depending on temperature or humidity then remix adding liquid or S-763 as necessary. Water to S-763 ratio should be about 4.5 ounces of water to 1 pound of S-763 or about 7 quarts of water to 50 pounds of S-763 or 2 gallons of S-800 or S-810 to 50 pounds of S-763. Amount of water or latex required will vary with temperature and humidity. Mix using a slow speed revolving bucket type mixer or similar mixer. **DO NOT MIX AT HIGH SPEED.**

**APPLICATION:**

Apply a thin screeded coat of S-763 to the substrate with pressure, using the flat edge of the trowel. Then using the appropriate size notched trowel, comb S-763 onto the pressure coat. Trowel only that area which can be set in 20-45 minutes, taking temperature and humidity levels into consideration.

NOTE: Extremely high temperatures or low humidity however, can reduce the open time by up to 20 minutes. Always make sure the mortar is soft and sticky before applying tile. The pot life of this product is approximately 2-3 hours.

**SETTING:**

Full coverage of the setting material on the back of the tile is desirable to prevent broken and cracked tile. The National Tile Contractors Association recommendation to accomplish full coverage is as follows: Apply mortar to substrate using the flat side of the trowel to fill any voids and "key" the material to the substrate. Using the proper sized notched trowel, comb the mortar evenly in one direction only. Do not "swirl". Set the tile in the mortar with the edge of the tile parallel to the comb lines. To remove air voids, push the tile back and forth in the mortar perpendicular to the comb lines.

**CAUTION:**

**Job failures can result from setting tile onto thin-set mortar which has skinned.** Check any mortar which has been on the substrate longer than 15 minutes by pressing a tile gently but firmly onto the troweled ribs of mortar. If proper coverage is not obtained, recomb the mortar and retest, or remove and trowel with new mortar. **ALLOW 24 HOURS BEFORE GROUTING.**

**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:**

Coverage will depend on trowel size, substrate and tile type. S-763 will cover about 1.8 to 2.0 square feet per pound at the 3/32" to 1/8" bed thickness.

**COLORS:**

#910 White.

**PACKAGING:**

S-763 is available in 50-lb. bags.

**SPECIFICATIONS:**

Material: Thin set mortar for setting most ceramic tile on vertical surfaces shall be S-763, consisting of Type I portland cement, specially graded silica aggregate (#7 on M.O.H. Scale of Hardness), water retention aid and anti-sag and anti-skinning aids; as manufactured by Summitville Tiles, Inc., Summitville, Ohio. Material shall conform to ANSI A118.1 and Tile Council of America Formula 763.

Color: Color shall be # \_\_\_\_\_.