



#### PRODUCT INFORMATION

### speedrite fs

Builders grade, fast setting dry-set mortar

**SPEEDRITE FS** is a factory blend of Portland cement, sand and special chemical additives which produce an excellent, fast-setting dry-set mortar. **SPEEDRITE FS** enables the contractor to set tile and grout within two hours so that he will have a finished installation which can be open to foot traffic in four hours.

**TEXTURE:**  
Powder.

**COLORS:**  
Gray.

**PACKAGING:**  
50 lb (22.7 kg) bags.

#### BASIC USE:

**SPEEDRITE FS** is used as a quick curing bond coat for setting absorptive, semi-vitreous and vitreous ceramic tile for service in residential and commercial use. Used as the bond coat mortar as thin as (4mm) after proper embedment, **SPEEDRITE FS** provides a permanent installation with higher bond strength, and lower material and labor costs than conventional Portland cement mortar beds. It is water cleanable, nonflammable, contains zero V.O.C.s and requires no soaking of tiles. Combine Texrite's Latex Bond Admix 150 or Acrylic Admix 150 FS liquid with **SPEEDRITE FS** to significantly improve bond strength, flexibility, abrasion resistance, erosion from weathering. It must be used in lieu of water for mixing on exterior installations and subjected to freezing, frost conditions. Other benefits include increased impact and shock resistance and the addition meets ANSI 118.4 mixed with either latex liquid. The product will meet ANSI A118.11 and bond to EGP Plywood when mixed with Acrylic Admix 150 FS liquid.

#### AREA OF USE:

Suitable backings include properly prepared, plumb and true masonry, concrete (broom finished) gypsum board (dry interior areas only) and cured Portland cement mortar beds and scratch coats. **SPEEDRITE FS** mixed with Texrite's Latex Bond Admix 150 or Acrylic Admix 150 FS liquid in lieu of water for all exterior application or bonding porcelain tile and other low absorption ceramic tile, marble, brick, cement based terrazzo and over waterproofing or crack isolation membranes meeting ANSI A118.10 and A118.12. Any other substrate must be approved in writing by an officer of the manufacturer.

#### BENEFITS:

- > For setting absorptive, semi-vitreous and vitreous ceramic tile.
- > Fast bonding.
- > Open to foot traffic in 4 hours.
- > Residential and commercial use.
- > Walls or floors.
- > Upgrade bond by adding Texrite's Latex Bond Admix 150 or Acrylic Admix 150 fs.

#### LIMITATIONS:

**SPEEDRITE FS** must not be applied directly to asphalt sheeting, vinyl covered wall board, Masonite®, cement asbestos board, metal, glass,

plastic, lauan plywood or gypsum mortar beds. Improperly cured or wet plywood, particle board, OSB or strip wood surfaces are not considered suitable substrates. Apply in temperature range above 40° F (4°C). Do not allow mortar to freeze for the first 72 hours). Some green or red marble may warp when installed with setting materials that contain water causing loss of bond and/or damage to the finish. This marble must be set using Epoxyplus TS. The **SPEEDRITE FS** product does not form a water-proof barrier. It's not affected by prolonged water contact yet water and moisture will pass through it.

#### APPLICABLE STANDARDS:

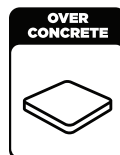
Meets and exceeds requirements for dry-set mortars found in ANSI A118.1 sect 5.5 and ANSI A108.5. When mixed with Texrite's Latex Bond Admix 150 or Acrylic Admix 150 FS liquid conforms to requirements for ANSI 118.4 sect 2.1.1- Fast Setting Latex-Portland Cement Mortar.

#### INSTALLATION: PREPARATORY WORK

All surfaces must be dry, structurally sound and solid and be above 40°F (4°C) and below 90° F (32°C) during application and initial (72 hours) cure.

#### CEMENTITIOUS SUBSTRATES

Area must be clean and dry. Remove all



### WOOD SUBFLOOR

Structurally sound wooden surfaces must be covered with a cleavage membrane topped with a 1 ¼" (32mm) reinforced mortar bed. After a minimum cure of 20 hours, **SPEEDRITE FS** can be applied to the mortar bed. (TCNA Method F-141, F-145).

### NON-CEMENTITIOUS SUBSTRATES

All non-conforming surfaces such as strip wood, old plaster, water-resistant gypsum board or painted surfaces can be covered with a cleavage membrane (15-lbs roofing felt or 4-mil polyethylene film) topped with a to ¾" (10 mm to 20 mm) reinforced mortar bed for walls and a 1 ¼" (32mm) reinforced mortar bed for floors. After a minimum of 20 hours, the dry-set mortar may be applied to the mortar bed. Follow W222 for walls and F141 for floors in TCNA Handbook.

### TILE OVER TILE AND OTHER SURFACES

Surface must be Portland cement bond compatible, the old surface must well bonded and without waxes, sealer, or coatings. Smooth or slick surface will be heavily scratch, scarred, coarse sanded or abraded to provide mechanical bond. **SPEEDRITE FS** must be mixed with Texrite's Latex Bond Admix 150 or Acrylic Admix 150 FS liquid.

### EXPANSION JOINTS

Install expansion joints around all perimeters or restraining surfaces where possible to allow for expansion movement. Never bridge an expansion, contraction, or construction joint. Add additional joints for large areas and areas subject to the sunlight, heat/cold temperatures in accordance with local building codes. See EJ171 in TCNA Handbook for detailed specifications. Remove all thinset mortar, grout and debris from joints before backer rod and sealant are placed.

### MIXING

Add cool, drinkable water and dry powder **SPEEDRITE FS** in a clean container. Stir by hand tool or low RPM (less than 300) drill mixer into a lump-free, mortar paste consistency. Drill mixer paddle or wand should be "open-loop" design to not add air or weaken the mortar. Mortar should be very soft paste mixture that does not slump, slide or flow from container, tool or trowel. Allow freshly mixed mortar to slake (wait) for 15 minutes, then re-stir into a paste to get maximum working and spreading time. Do not add any additional water after this point. Stir mortar occasionally to prevent firm set of mortar. If a mortar sets firm in container discard it and re-mix a new batch. Mix approximately 5 quarts (5.2 liters) per 50-pound (22.7 kg) bag. **SPEEDRITE FS** must be mixed with Texrite's Latex Bond Admix 150 or Acrylic Admix 150 FS liquid in lieu of water for all exterior application or bonding porcelain tile and other low absorption tiles.

### APPLICATION

Apply the wet mortar to the bond surface with flat-side of trowel in a scraping or scratching motion to drive the wet mortar into the surface. Then take additional mortar with the notched-side of trowel to form and comb the ridges. Trowel the mortar ridges in one straight direction helps to prevent hollow tiles and maximized bond contact. Tiles with deep patterns, high lugs on or those with irregular texture on the back surface may require "back buttering" to ensure 100% coverage of back of tiles. Proper method of bonding of tiles requires embedding, pressing and sliding tiles perpendicular to wet mortar ridges to have a nominal mortar thickness of - (3-5mm) and 100% coverage. During the setting of tile, it is advisable to occasionally remove a tile to be sure mortar has not skinned over and sufficient transfer is being made. Do not adjust tiles in mortar after they have been set past 10-15 minutes.

NOTE: As a practical test, it is recommended that three or more separate twelve inch square areas of tile be bonded to the properly prepared surface with the actual tile and bonding materials that will be used on the finished installation. These should be allowed to cure for 3-7 days and then removed with a hammer and chisel. At this point, one can determine if adequate bond has been obtained or if a problem exists.

### TROWEL RECOMMENDATION

Smaller tiles will use smaller notched trowels and larger tiles will require larger notched trowel suitable for providing a minimum - (3-5mm) bed thickness after embedding the tile.

### COVERAGE:

Per 50 lbs. (22.7 kg) bag using a square-notched trowel covers:  
¼" x ¼" = 88 sq.ft. (8.1 m<sup>2</sup>)  
¼" x ¾" = 76 sq.ft. (7.0 m<sup>2</sup>)  
½" x ½" = 46 sq.ft. (4.2 m<sup>2</sup>)

### CLEANING:

Water is all that is needed to remove uncured mortar.

### WORKING TIME:

Approximately 30- 45 minutes, depending on ambient temperature.

### CURING AND GROUTING:

Grouting can begin as soon as the tiles are firmly set (about two hours after setting). If an accelerated grout is necessary, use Texrite's Ac-cent Chroma Grout.

### STORAGE LIFE:

One year if kept dry in sealed bag.

**SAFETY - CAUTION:** May cause eye, skin or lung injury. Contains free silica. Prolonged exposure to dust may cause delayed lung disease (silicosis). Eliminate exposure to dust. Use NIOSH approved mask for silica dust. Contains portland cement. If any cement or cement mixtures get into eye, flush immediately and repeatedly with water and consult a physician promptly. Freshly mixed cement, mortar, concrete or grout may cause skin injury. Avoid contact with skin where possible and wash exposed skin areas promptly with water.

### KEEP OUT OF REACH OF CHILDREN

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