



## ACRYLIC MORTAR ADDITIVE

### Southcrete 25

Southcrete 25 is an acrylic additive formulated for use as a direct replacement for water with any SGM Sanded Floor or Wall Sanded Thin Sets. Southcrete 25 enhances all physical characteristics, such as bond, shear bond, and flexural strengths.

#### MANUFACTURER:

SGM, Inc.  
1502 SW 2nd Place  
Pompano Beach, FL 33069-3220  
(800) 641-9247  
(954) 943-2288  
Fax: (954) 943-2402  
www.sgm.cc  
sales@sgm.cc

#### CHARACTERISTICS:

- Premeasured high solids
- Improved workability
- Excellent bond, tensile, flexural strengths
- Lower water absorption
- Interior or exterior use, both wall and floor

#### LIMITATIONS:

Southcrete 25 is not recommended over plastic, metals, or cushion back resilient.

#### PREPARATION:

**Concrete:** Floors must be 28 days cured and free of moisture. Floors must be free of any wax, oil, dust or paint overspray. Hence, any further cleaning shall be done using SGM Safe Clean Crystals, refer to Safe Clean label directions. Remove all liquid curing agents. All materials and areas to be tiled should remain above 40 degrees F 24 hours prior and 72 hours after installation.

#### Plywood and Wooden Substrates:

1. All plywood shall be free of dust, oil, and any other foreign matter.

2. The typical floor or other systems shall consist of joists spaced not over 16" o.c. and a subfloor of 5/8" or thicker plywood or 1" nominal boards.

3. All floors shall be engineered so that the floors maximum deflection under normal or full load does not exceed 1/360 of span.

4. A 1/4" gap shall be left around all vertical surfaces, also a 1/4" gap shall be left between sheets of wood to allow for expansion.

#### APPLICATION:

**Thin Bed Method:** Add sufficient Southcrete 25 (approx. 1.75 gallons) to dry mortar to make a trowelable mix. Do not add additional water to mortar or the mix. Stir occasionally during use. In hot weather or on dry concrete, dampening substrate with water will provide longer open time and better adhesion. Apply the mortar liberally with the flat side of the trowel. Use sufficient pressure to work mortar in good contact. Then comb with notched edge of trowel to leave uniform ridges. Place tile while surface is wet and tacky. Spread only as much mortar as can be covered in 15-20 minutes, or before surface dries. Place tiles with a twisting motion or beat lightly before initial set takes place, to fully embed in the mortar. Mortar that has formed a skin should be re-troweled before applying tile. Use proper sized notched trowel (see diagram) to insure 100% coverage of mortar to tiles substrate. Some irregular tiles require back-buttering. Follow ANSI 108.5

specifications.

**Thick Bed Method:** Add either of the following: 2-1/2 gallons Southcrete 25 Acrylic Mortar Additive to 80 lbs. SGM Floor Mud or (3:1 sand/cement) gauged with Southcrete 25 additive. Float to desired thickness with large straight plane.

#### GROUT ADDITIVE:

Add 1 part water to 1 part Acrylic Mortar additive. Excess grout is easy to clean immediately, but extremely difficult to remove when cured. Mortar bed should be allowed to dry thoroughly before grouting. Approximately 48 hours for the thin bed method, 72 hours for the mortar bed method. If the tile has a high absorption rate, application of a grout release agent is recommended.

#### CURING:

Minimum cure is reached in 24 hours, any type of traffic shall be restricted for 72 hours. Setting and drying time may vary according to atmospheric conditions. Grout with SGM blended grout/joint fillers.

#### COVERAGE:

**Thin Bed Method:** 1-1/2 gallon Southcrete 25 acrylic mortar additive to 1 bag (50 lbs./22.7 kgs) SGM Sanded Thin Set.

#### **Thick Bed Method:**

2-1/2 gallon Southcrete 25 acrylic mortar additive to 80 lbs. SGM Floor Mud or (3:1 sand cement) gauged with Southcrete 25 acrylic mortar additive.

**GROUTING:**

1/2 gallon clean water / 1/2 gallon Southcrete 25 to 50 lbs. tile grout / joint filler.

**SHELF LIFE:**

One year from date of manufacture in unopened container.

**PACKAGING:**

1 gallon (3.75 liters)  
5 gallons (18.98 liters)  
55 gallons (207.9 liters)

**SPECIFICATIONS:**

Meets ANSI A 118.4 when mixed with thin set mortar. Follow ANSI 108.5 requirements for installation.

**LIMITED WARRANTY:**

S.G.M., Inc. will replace any material proved defective with the maximum shelf life on unused material of up to one (1) year. If our products are not found to conform to our high standards, notify S.G.M., immediately in writing. There is no other obligation expressed or implied, and we assume no liabilities for damages of any kind. Suitability of the product for an intended use shall be solely up to the user.

**TECHNICAL SERVICES:**

Technical assistance, including more detailed information, product literature, test results, project list, samples, assistance in preparing project specifications and arrangements for job site inspection and supervision, is available by contacting SGM Technical Services Department.

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[ts@sgm.cc](mailto:ts@sgm.cc)