

FAST SET (FS) SCREED CONCENTRATE

BASIC USES

For use with sand* and gravel⁺ in preparation of thick fast-setting screeds or leveling coats, mortar beds, and sloped shower beds. For leveling and fast-set repairs of concrete surfaces. For **interior** or **exterior** surfaces of concrete and concrete block. In conjunction with Flextile WP980 Waterproof Membrane and metal lath scratch coat, on interior wet areas on properly prepared substrates of exterior grade plywood.

COMPOSITION AND MATERIALS

A concentrate of specialty additives to be mixed with sand* and gravel⁺, to form a fast setting, high strength cement screed.

LIMITATIONS

Use only on surfaces which are maintained at a temperature above 10° C (50° F) and below 35° C (100° F).

FEATURES

- Interior or exterior* use
 - * For water immersion or exterior use, mix with Flextile 43 Acrylic Mortar Additive in place of water
- High compressive strengths
- Fast setting screeds, mortar beds, concrete repairs, ready in 3 - 4 hours for foot traffic, and 6 hours for ceramic tile and stone installations.
- Easy to screed, tamp, compact and slope.
- Pre-packaged - easy to use on multi-level projects.

* Sand must conform to ASTM C-33 (CSA-A23.1).

⁺ 9 mm (3/8") pea gravel may be used

TECHNICAL DATA

Typical Physical Properties

Pot Life	20 minutes
Initial Set (prior to grouting)	1 hour
Final Set (prior to heavy traffic)	2 hours
Linear Shrinkage	< 0.20 %
Specific Gravity (dry)	1.42
Specific Gravity (wet)	1.54
pH (paste) approx.	12
Cleanability :	with water before material dries
Shelf Life:	1 year from production date when stored in dry, heated conditions

COVERAGE AND MIXING RATIOS

Thickness: 50mm (2") : 1 X 20 kg (44 lb) bag of FS concentrate to 2 X 40 kg (2 X 88 lb) Sand*, to be mixed with approximately 14 L (3.7 USG) water.

Approx. coverage: 1.2 m² (13 ft²)

Thickness: 101 mm (4") : 1 X 20 kg (44 lb) bag of FS concentrate to 1 X 40 kg (1 X 88 lb) Sand*, plus 1 X 40 kg (1 X 88lbs) 9mm (3/8") gravel⁺, to be mixed with approximately 12 L (3.2 USG) water.

Approx. coverage: 0.6 m² (6.5 ft²)

- Coverage given are for estimating purpose only. Actual coverages may vary depending on job site conditions and installation techniques used.

INSTALLATION

PREPARATORY WORK

Surfaces must be sound, even, dry and free of grease, oil, dirt, paint, curing compounds or sealers, or other foreign matter. Concrete surfaces should have a wood float or steel trowel with broom finish. Scarify smooth concrete surfaces, and damp mop to remove dust and residue. Refer to current editions of TTMAC 09300 Tile Installation manual, TCA Handbook for Ceramic Tile Installation for information regarding placement of movement joints, or for further substrate acceptability information.

APPLICATION

Dry-mix the Flextile FS Screed Concentrate with sand, then add cool potable water and mix to screed mortar consistency. For water immersion or exterior use, mix with Flextile 43 Acrylic Mortar Additive in place of water.

For applications from 2" - 4" add 9mm (3/8") pea gravel, Just prior to placing the Fast Set Screed Mortar mix, apply a slurry bond coat of 57 Scratch Coat or 53 Floor Mix Mortar mixed with 43 Acrylic Mortar Additive to substrate. Place Fast Set Mortar mix while the slurry bond coat is still wet, and screed to level. Surface variation should not exceed 6mm in 3.05 meter (1/4" in 10'). If installing Fast Set Screed Mortar mix in a shower receptor, steam room, pool, or other wet area where a waterproof membrane is used, compact well and slope to drain @ 20mm per meter (1/4" per foot). When installing mortar beds requiring reinforcing, ensure that wire reinforcing is placed in the center of the mortar bed. Do not cover existing movement joints. Refer to TTMAC detail 301MJ-2002 or TCA EJ171-02 for movement joint procedures.

CURING

On interior applications at room temperature, allow mortar or leveling bed to cure for 3 - 4 hours prior to foot traffic, and at least 6 hours prior to installing tile or stone. Allow a minimum of 24 hours cure prior to installing resilient flooring. On exterior or water immersion applications, protect from moisture until fully cured. If modified with a latex additive, allow at least 24 hours cure prior to installing tile. Protect entire installation from excessive moisture and freezing until fully cured.

If installing tile onto wet mortar bed, apply a slurry bond coat of neat Portland cement, or Flextile 53 Floor Mix with 43 Acrylic Mortar Additive and beat in well to achieve required coverage. If installing on a cured mortar bed or screed, use appropriate Flextile dry set (ANSI A118.1) or latex Portland cement (ANSI A118.4) mortar.

CAUTION

Freshly mixed cement, mortar, concrete or grout may cause skin injury. Avoid extended contact with skin where possible and wash exposed skin areas promptly with water. If any cement or cement mixtures get into the eye, rinse immediately and repeatedly with water and get prompt medical attention. Keep out of reach of children.

SAFETY

Refer to Flextile Material Safety Data Sheet for detailed health and safety information.

AVAILABILITY AND COSTS

Flextile Fast Set Screed Concentrate is available from Flextile and its distributors in 20 kg (44 lb) bags.

Cost: Data supplied upon request.

WARRANTY

Flextile warrants that this product is of merchantable quality and is suitable for the purpose for which it is intended. Flextile's liability under this warranty shall be limited to replacement of its product found to be defective or, at its option, a refund of the purchase price.

MAINTENANCE

No maintenance is required except where damages result from unforeseen circumstances. Repair procedures shall be directed by Flextile or its distributors.

TECHNICAL SERVICES

Flextile maintains a well-equipped laboratory able to test its products in conjunction with the products with which they are used. Technical assistance for use of Flextile products is available upon request.

RELATED REFERENCES

Current editions of: Ceramic Tile Installation Manual (09300) from the TTMAC & TCA Ceramic Tile Installation Handbook.

FLEX TILE PRODUCTS COMPLY WITH THE BUY AMERICA PROGRAM AS OUTLINED BY THE UNITED STATES GOVERNMENT, INCLUDING WHEN FEDERAL FUNDS ARE USED.