

# 62

## FULL COVERAGE FAST-SET MORTAR

### DESCRIPTION

Flextile 62 is a fast-setting, polymer-modified, full-coverage, thinset and medium-bed mortar. Unique, high polymer modification provides the superior bonding characteristics and exceptional flexibility required for installation of tile and stone over difficult to bond surfaces such as exterior grade plywood, vinyl and laminates.

### BASIC USES

- Installation of large format porcelain, ceramic, mosaic, quarry and paver tile tiles without the need for backbuttering.
- Installation of natural stone, marble, granite, slate and precast terrazzo tile.

### RECOMMENDED SURFACES

- Installation over concrete, masonry, terrazzo, cement backer boards.
- Installation over cement mortars and leveling compounds.
- Existing surfaces of properly prepared tile, stone or cementitious terrazzo.
- Exterior grade plywood or gypsum board, in interior dry areas only.
- Existing surfaces of properly prepared non-cushion sheet vinyl flooring, VCT or cutback adhesive residue. \*
- Flextile waterproofing, crack-isolation and sound reduction membranes.
- For exterior installations refer to Flextile 58XT two-component, fast-setting system.

\* Check with Flextile Ltd. as to acceptability of specific surfaces

### FEATURES

- Fast curing - tile can be grouted within 2-4 hours: ideal for supermarkets, factories, hospitals, airports, shopping malls, etc.
- Reduces the need to backbutter large format or heavily lugged tile in order to achieve required coverage to backs of tile.
- Excellent flexibility and bond strength.
- Easy to use - just mix with water and apply.
- Saves both time and money.
- Excellent bond strengths to all types of tile and natural stone.
- Supports large format tile, reducing lippage.
- Excellent workability.
- Rated as a light performance commercial and residential mortar by ASTM C627-70 on plywood substrates.
- Rated as suitable for extra heavy service by ASTM C627-70 on concrete substrates.

### LIMITATIONS

- Do not use for exterior or water immersion applications.
- Do not use over particleboard, Masonite, chipboard, OSB or similar unstable materials.
- Do not use over cushioned resilient flooring, rubber, plastic, paint, asphalt, or plywood surfaces in wet areas.

- To use directly over gypsum-based patching or leveling substrates, apply suitable primer before use.
- Do not use over single layer plywood floors. Use only on surfaces, which are maintained at a temperature above 10°C (50°F) and below 35°C (95°F) during application and for at least 72 hours after application.
- Protect from moisture until thoroughly dried and protect from freezing for at least 14 days after installation.
- When installing light-colored stones and translucent marble use Flextile 62 or 58XT White.
- Do not use for moisture-sensitive stone such as green marble, certain limestone and granite, agglomerate tiles, cultured marble or resin-backed tiles. Instead, use Flexepoxy 100 mortar.
- For installations subject to severe freeze/thaw conditions use Flextile two component systems.

### TECHNICAL DATA (at 23°C (73°F) and 50% humidity)

Exceeds ANSI A118.4 and A118.11 specification requirements

Description	ANSI SPEC. MPa (psi)	TYPICAL RESULT MPa (psi)
<b>28 Day Shear Strength</b>		
Glazed Wall Tile	> 2.07 (300)	2.42 to 3.28 (350 to 475)
Impervious Ceramic Tile (Porcelain) Mosaics	> 1.38 (200)	2.24 to 2.93 (325 to 425)
Quarry Tile	> 1.03 (150)	2.77 to 3.28 (400 to 475)
Quarry Tile / Plywood	> 1.03 (150)	1.59 to 2.0 (230 to 290)

### Typical Physical Properties

Pot Life	30 - 45 minutes
Open Time	10 - 20 minutes
Time before grouting	2 - 4 hours
Cleanability:	With water before material dries
VOCs	0 g/L
Shelf Life:	6 months from production date when stored in dry, heated conditions

### Approx. coverage per 22.7 kg (50 lb) bag:

- 6 mm x 10 mm (1/4" x 3/8") - square-notch trowel - 5.5 m<sup>2</sup> (60 ft<sup>2</sup>)
- 10 mm x 10 mm (3/8" x 3/8") - square-notch trowel - 4.1 m<sup>2</sup> (45 ft<sup>2</sup>)
- 19 mm x 14 mm (3/4" x 9/16") - round-notch trowel - 2.8 m<sup>2</sup> (30 ft<sup>2</sup>)

\* Coverages given are for estimating purposes only. Actual coverages may vary depending on job site conditions and installation techniques used.



## LEED Points Contribution

MR Credit 5, Regional Materials\*  
IEQ Credit 4.1, Low-Emitting  
Materials – Adhesives & Sealants  
IEQ Credit 4.3, Low-Emitting  
Materials – Flooring Systems  
*\*May be eligible*

## LEED Points

Up to 2 points  
  
1 point  
  
1 point

## INSTALLATION

### PREPARATORY WORK

Surfaces must be sound, even, dry and free of grease, oil, dirt, paint, curing compounds or sealers, or other foreign matter. Surfaces must be true to a tolerance of 3 mm (1/8") in 2.4 meters (8 ft.) for walls and 6 mm (1/4") in 3 meters (10 ft.) for floors. Concrete surfaces should have a wood float or steel trowel with light broom finish. Roughen smooth concrete surfaces. Plywood floors should be designed for maximum deflection of L/360 of span. This normally requires an overlay of 16 mm (5/8") exterior grade plywood over 25 mm (1") nominal boards or 16 mm (5/8") plywood when on joists 40 cm (16") o.c. Fasten overlay with screw type nails and glue where possible. Leave a 3 mm - 6 mm (1/8"-1/4") gap between sheets of overlay and next to all vertical surfaces to allow for expansion. Refer to current editions of TTMAC 09 30 00 tile installation manual, or TCNA Handbook for ceramic tile installation for information regarding placement of movement or expansion joints, or for further substrate acceptability information.

### APPLICATION

Mix with approximately 4.8 liters (1.27 US gallons) of water per 22.7 kg (50 lb) bag. During warmer temperatures, use colder water to extend working time. Avoid using high-speed mixers. DO NOT SLAKE – pot life is approximately 40 minutes – apply immediately. Do not apply more material than can be covered with tile within 20–30 minutes. Spread a thin layer of mixed mortar with flat side of trowel to wet out the substrate; then reapply sufficient material with a suitably notched trowel that will leave enough mortar to give at least 90% coverage to the backs of tile. It is imperative that an appropriate sized trowel is used in conjunction with larger format tile or stone, so that adequate coverage is achieved. Comb that area which can be covered with tile before skinning occurs. Mortar should be troweled with notches running in straight, parallel lines. Press or beat in tile while moving slightly in the opposite direction of troweled mortar ridges, to achieve maximum coverage. Do not adjust tiles after they have been set for more than 15 minutes.

## CURING AND GROUTING

Protect from all traffic and delay grouting until cured at least 2-4 hours. On applications where job site temperatures are below room temperature, or when an impervious tile is installed over an impervious membrane, extended curing is recommended to ensure that mortar is sufficiently cured prior to grouting. Grout using 1600 Ultra Performance Grout or Flextile Polymer Modified Grout or Flextile FlexEpoxy100 100% Solids Epoxy Grout.

## 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 Safety Data Sheet for detailed health and safety information.

## AVAILABILITY

Flextile 62 P.M. Full Coverage Fast Set Mortar is available from Flextile Ltd. and its distributors in 22.7 kg (50 lb) bags.

## 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 (09 30 00) from the TTMAC & TCNA Ceramic Tile Installation Handbook.



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