

DRY PACK MORTAR MIX

BASIC USES

For use in preparing conventional thick mortar beds, dry pack sloped shower beds, or for leveling of concrete surfaces up to 51 mm (2") thick. May be used on interior and exterior surfaces of concrete and concrete block. May be used on interior surfaces, in conjunction with a waterproof membrane (wet areas) and metal lath scratch coat, on properly prepared substrates of exterior grade plywood.

COMPOSITION AND MATERIALS

A pre-mixed mortar consisting of high strength portland cement and specially graded aggregates packaged in dry powder form to be mixed with water or Flextile 43 Mortar Additive (exterior or wet area applications).

FEATURES

- Interior or exterior use.
- Eliminates job-site mixing of sand / cement.
- Easy to tamp, compact, and slope.
- Ensures a consistent mix on large jobs.
- Easy to use on multi-level projects.
- Available in a 4:1 or 3:1 Cement/Sand mix ratio

LIMITATIONS

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. On exterior applications, protect from rain until thoroughly dried and protect from freezing for at least 14 days after installation.

LEED Points Contribution

MR Credit 5, Regional Materials*
IEQ Credit 4.3, Low-Emitting
Materials - Flooring Systems
*May be eligible

LEED Points

Up to 2 points
1 point

TECHNICAL DATA

TYPICAL PHYSICAL PROPERTIES

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

Compressive Strength @ 28 days (with water) 17.2 MPa (2500 psi)

Compressive Strength @ 28 days (with Flextile 43 acrylic additive) 20.7 MPa (3000 psi)

Approx. coverage per 25 kg (55 lb) bag:

@ 1" thickness: 0.54 - 0.63 m² (6 - 7 ft²)

** Coverages given are for estimating purposes 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 09 30 00 Tile Installation Manual, TCNA Handbook for Ceramic Tile Installation for information regarding placement of movement joints, or for further substrate acceptability information.

APPLICATION

Mix Dry Pack Mortar with cool, potable water or Flextile 43 Acrylic Mortar Additive to a stiff, semi-dry consistency (approx. 12% Water, or 14% - 43 Acrylic Mortar Additive). Just prior to placing Dry Pack Mortar, apply a slurry bond coat of 57 Scratch Coat or 53 Floor Mix Mortar mixed with 43 Acrylic Mortar Additive to substrate. Place Dry Pack Mortar while the slurry bond coat is still wet, and compact well. If installing Dry Pack Mortar in a shower receptor, steam room, pool, or other wet area where a waterproof membrane is used, slope to drain at 20 mm/M. (1/4"/ft). If installing as a thick bed leveling coat, surface variation should not exceed 6 mm in 3049 mm (1/4" in 10'). 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 TCNA EJ171-02 for movement joint procedures. If installing tile onto wet mortar bed, apply a slurry bond coat of neat portland cement, or Flextile 53 Floor Mix/43 Acrylic Mortar Additive and beat in well to achieve required coverage. If installing on a cured mortar bed, use appropriate Flextile dry set (ANSI A118.1) or latex Portland cement (ANSI A118.4) mortar.

■ CURING

On interior room temperature applications allow mortar or leveling bed to cure for at least 24 hours (preferably longer) prior to installing tile on cured mortar bed. On exterior applications, allow at least 72 hours (preferably longer) cure prior to installing tile. If modified with a latex additive, allow at least 14 days cure prior to exposure to moisture (longer under cold, damp or freezing conditions). Protect entire installation from excessive moisture and freezing until fully cured.

■ 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 Dry Pack Mortar is available from Flextile Ltd. and its distributors in 25 kg (55 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 TTMAC 09 30 00 & TCNA Ceramic Tile Installation Manuals.



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