

66



FLEXLITE PREMIUM WALL AND FLOOR LIGHTWEIGHT MORTAR

BASIC USES

Flexlite 66 is a premium-grade, non-sag lightweight mortar, for thin or medium-bed, wall, floor and ceiling installation of marble, slate, granite, pre-cast terrazzo, porcelain tile, and most types of ceramic and stone tile on properly prepared substrates of concrete, masonry, cement terrazzo, concrete backer units, existing surfaces of ceramic or stone tiles, Flextile WP980 waterproofing and crack isolation membrane, or, in dry areas only, exterior grade plywood.

May also be used for installations over existing surfaces of well-bonded VCT/VAT or other non-cushion vinyl flooring, and cutback adhesive residue. *

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

LIMITATIONS

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. Do not use directly over gypsum-based leveling compounds. Do not use over single layer plywood floors. Use only on surfaces, which are maintained at a temperature above 5°C (40°F) and below 35°C (100°F) during application and for at least 72 hours after application. Protect from freezing and complete water immersion for at least 7 days after installation. Seal partially used bags completely when not in use.

Exterior wall applications limited to two-storey installations, for higher facades use Flextile 51 with Flextile 44 additive. Consult Flextile's Technical Department.

Use mechanical fasteners in installations of tiles larger than 720 sq. in (0.46m²) or weighing more than 15lbs (0.46m²) per sq. ft. (0.09m²). Check with local building codes with respect to height restrictions without mechanical fasteners.

Do not use for installation of green marble and similar moisture sensitive tile. Use Flextile 58XT or FlexEpoxy 100.

Do not use for complete water immersion installations such as swimming pools, steam rooms, spas. Use Flexlite 51 with Flextile 44 additive or Flextile 58XT.

COMPOSITION AND MATERIALS

A premium polymer modified dry set mortar, formulated with Flexlite Technology, providing excellent handling characteristics and superior coverage: 11.3 kg (25LB) bag covers the same area as a 22.7 kg (50 lb) bag of traditional mortar.

Polymer modification provides the superior bonding characteristics and improved flexibility required for installation of porcelain tile and all types of tile directly over exterior grade plywood on interior dry surfaces.

FEATURES

- Excellent for non-sag, thin or medium bed installations of large dimension, heavy textured tile and stone on both vertical or horizontal surfaces.
- Flexlite 66 formulated with Flexlite Technology promoting ease of troweling.
- 11.3 kg (25LB) bag covers the same area as a 22.7 kg (50 lb) bag of traditional mortar.
- High flexibility and bond strength.
- Formulated with recycled material, contributes to LEEDS certification.
- Light color mortar: for light-colored natural stone, translucent marble and grout installations.
- For interior and exterior floor, wall and ceiling installations.
- With *Flexfresh*TM Revolutionary technology that helps to inhibit the growth of mildew, fungus and other bacteria causing odours and stains in construction materials.

TECHNICAL DATA

(based on 73°F [23°C] and 50% relative humidity)

Exceeds ANSI A118.4 and A118.11 requirements

Typical Physical Properties

Pot Life	2 hours
Open Time	20 to 30 minutes
Initial Cure	24-48 hours
Final Cure	28 days
Color	Light color mortar
Consistency	Paste
pH (paste)	approx. 12
Cleanability	with water before material dries
Shelf Life	1 year from production date when stored in dry, heated conditions

Approx. coverage per 25 lb bag:

5mm (3/16") notched trowel - 10.0 M² (105 ft²)

6mm (1/4") notched trowel - 7.1 M² (77 ft²)

10mm (3/8") notched trowel - 5.5 M² (60 ft²)

12mm (1/2") notched trowel - 4.14 M² (45 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.

Surfaces must be true to a tolerance of ± 3 mm (1/8") in 2.4 meters (8 ft.) for walls and 3mm (1/8") in 3 meters (10 ft.) for floors. Concrete surfaces should have a wood float or steel trowel with broom finish. Roughen smooth concrete surfaces.

Plywood floors should be designed for maximum deflection of 1/360 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 3mm-6mm (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 09300 Tile Installation Manual, or TCA Handbook For Ceramic Tile Installation for information regarding placement of expansion or control joints, or for further substrate acceptability information.

APPLICATION

Mix with approximately 5 liters (1.3 US gallons) of water per 11.3 kg (25 lb) bag. Avoid using high-speed mixers. Allow mixed mortar to slake for at least 10 minutes, then re-mix without adding further water. Spread a thin layer of mixed mortar with flat side of trowel to wet out the substrate; then reapply sufficient material with a suitable notched trowel that will leave enough mortar to give at least 95% coverage to the backs of tile. Back buttering of tile is recommended for porcelain tile, large format or high lugged tile, ungauged slate, stone, etc. and for all exterior applications. Comb that area which can be covered with tile before skinning occurs.

Mortar should be troweled with notches running in straight lines so as to achieve maximum coverage. Press or beat in tile to achieve a finished thickness of mortar of at least 3mm (1/8"). Do not adjust tiles after they have been set for more than 25 minutes.

CURING AND GROUTING

Protect from all traffic and delay grouting until cured at least 24 hours, and preferably 48 hours. On exterior or cold weather applications, extended curing is recommended to ensure that

mortar is sufficiently cured prior to grouting.

Grout using Flextile Polymer Modified Grout or Flextile Flex-Epoxy 100-100% Solids Epoxy Grout.

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