

MAPEI Ultralite[®] Mortar

Premium, Lightweight Mortar with
Polymer for Large and Heavy Tile

Available in white and gray



DESCRIPTION

MAPEI Ultralite Mortar is a premium-grade, lightweight, single-component mortar for large-and-heavy-tile and nonsag applications, and which can also be used for thin-set mortar installations. This high-performance, polymer-modified mortar is formulated with Easy Glide Technology™ for ease of application, and with BioBlock® technology for mold and mildew resistance. **MAPEI Ultralite Mortar** utilizes Ultralite Technology™ for twice the coverage of a standard thin-set mortar per pound/kg and contains more than 20% recycled content.

FEATURES AND BENEFITS

- Polymer-enriched for high performance and deformability
- Nonsag formula for large and heavy tile and stone
- Nonslump for large and heavy tile and stone in floor applications
- A 25-lb. (11.3-kg) bag provides the same coverage as a 50-lb. (22.7-kg) bag of a standard polymer-modified mortar.
- Smooth and creamy consistency
- For thicker bond coats from 3/32" to 1/2" (2.5 to 12 mm)



MAPEI USA
MAPEI Caribe
MAPEI Canada





Premium, Lightweight Mortar with Polymer for Large and Heavy Tile

ISO 13007 CLASSIFICATION

Classification Code	Classification Requirement	Test Characteristic
C2 (cementitious, improved adhesive)	≥ 145 psi (1 MPa) after standard aging, heat aging, water immersion and freeze/thaw cycles	Using porcelain tile
T (slip resistance)	≤ 0.019" (0.5 mm)	Using porcelain tile
E (extended open time)	≥ 72.5 psi (0.5 MPa) after 30 minutes	Using glazed ceramic wall tile
S1 (normal deformation of mortar)	≥ 0.1" (2.5 mm)	—
P1 (normal adhesion to plywood)	≥ 72.5 psi (0.5 MPa)	Using porcelain tile

ANSI SPECIFICATION*

Test Method	Specification Standard	Test Results
ANSI A118.11 – shear strength, quarry tile to plywood	> 150 psi (1.03 MPa) at 28 days	150 to 250 psi (1.03 to 1.72 MPa)
ANSI A118.15 – shear strength, impervious ceramic (porcelain) mosaics	> 400 psi (2.76 MPa) at 28 days	450 to 550 psi (3.10 to 3.79 MPa)
ANSI A118.15 – shear strength, glazed wall tile	> 450 psi (3.10 MPa) at 7 days	450 to 650 psi (3.10 to 4.48 MPa)
ANSI A118.15 – shear strength, quarry tile to quarry tile	> 150 psi (1.03 MPa) at 28 days	400 to 600 psi (2.76 to 4.14 MPa)
ANSI A118.15H – mortar for large and heavy tile	ASTM C627 Robinson Floor Test, lippage change < 1/64" (0.4 mm)	Pass
ANSI A118.15T – sag on vertical surfaces	< 0.02" (0.5 mm) at 20 minutes	Pass
ANSI A118.15E – extended open time	> 75 psi (0.52 MPa) at 30 minutes	Pass

* Anything that meets A118.15 by definition exceeds A118.4.

SHELF LIFE AND PRODUCT CHARACTERISTICS before mixing

Shelf life	1 year when stored in original, unopened packaging at 73°F (23°C)
Colors	Gray; white

APPLICATION PROPERTIES at 73°F (23°C) and 50% relative humidity

Open time**	30 minutes
Pot life**	> 2 hours
Time before grouting (walls)**	8 to 16 hours
Time before grouting (floors)**	24 to 48 hours
VOCs (Rule #1168 of California's SCAQMD)	0 g per L

** Actual open time, pot life and time before grouting will vary based on jobsite conditions.

PACKAGING

Size and Color

Bag: 25 lbs. (11.3 kg), gray

Bag: 25 lbs. (11.3 kg), white

APPROXIMATE COVERAGE*** per 25 lbs. (11.3 kg)

Typical Trowel	Coverage
1/4" x 1/4" x 1/4" (6 x 6 x 6 mm), square-notch	75 to 90 sq. ft. (6.97 to 8.36 m ²)
1/4" x 3/8" x 1/4" (6 x 10 x 6 mm), square-notch	55 to 65 sq. ft. (5.11 to 6.04 m ²)
1/2" x 1/2" x 1/2" (12 x 12 x 12 mm), square-notch	38 to 45 sq. ft. (3.53 to 4.18 m ²)
3/4" x 9/16" x 3/8" (19 x 14 x 10 mm), U-notch	25 to 30 sq. ft. (2.32 to 2.79 m ²)

*** Trowel dimensions are width/depth/space.
Actual coverage will vary according to substrate profile and tile type.

