

Keraflex® Membrane Mortar

Premium, Extra Smooth, Large-and-Heavy-Tile Mortar with Polymer for Membranes



FEATURES AND BENEFITS

- Optimized for use with installing uncoupling, floor-heating, waterproofing sheet and rubber sound-reduction membranes
- High-Transfer Technology™ for superior membrane-wetting properties
- Faster drying properties under and over membranes
- Used to install approved membranes and to install tile over membranes
- Extra smooth, creamy consistency for ease of application
- Easy mixing, handling and troweling properties
- Ideal for application in lippage control systems
- Nonsag formula for large-format and heavy tile/stone in wall applications
- Nonslump formula for large-format and heavy tile/stone in floor applications
- For bond coats up to 1/2" (12 mm) in embedded thickness
- Polymer-enriched for high performance
- For use over plywood and a variety of membranes



DISTINGUISHING FEATURES OF KERAFLEX MEMBRANE MORTAR



Uses

Interior/exterior floors, walls, and countertops	•
Interior/exterior submerged applications	•
Over/under membranes	•

APPLICATION PROPERTIES

Open time*	30 minutes
Pot life*	> 2 hours
Embedded thickness range	3/32" to 1/2" (2.5 to 12 mm)

* Cold temperatures or high humidity may alter these properties.

INDUSTRY STANDARDS AND APPROVAL

ISO 13007: Classification C2TES1P1

ANSI: Exceeds A118.4HET, A118.11 and A118.15HET requirements

ISO 13007 CLASSIFICATION

C2 (cementitious, improved adhesive)	≥ 145 psi (1 MPa) after standard aging, heat aging, water immersion and freeze/thaw cycles
T (vertical slip resistance)	≤ 0.019" (0.5 mm)
E (extended open time)	≥ 72.5 psi (0.5 MPa) after 30 minutes
S1 (normal deformation of mortar)	≥ 0.1" (2.5 mm)
P1 (normal adhesion to plywood)	≥ 72.5 psi (0.5 MPa)



ANSI SPECIFICATIONS

ANSI A118.11 – shear strength, quarry tile to plywood	150 to 180 psi (1.03 to 1.24 MPa)
ANSI A118.15 – shear strength, impervious tile	420 to 500 psi (2.90 to 3.45 MPa)
ANSI A118.15 – shear strength, glazed wall tile	490 to 550 psi (3.38 to 3.79 MPa)
ANSI A118.15 – shear strength, quarry tile to quarry tile	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)
ANSI A118.15E – extended open time	≥ 72.5 psi (0.5 MPa) at 30 minutes
ANSI A118.15T – sag on vertical surfaces	≤ 0.02" (0.5 mm) at 20 minutes

PROTECTION

Before grouting walls	8 to 10 hours
Before grouting floors	12 hours
Ready for foot traffic	24 to 48 hours
Ready for heavy traffic	7 days

APPROXIMATE PER 44 LBS. (20 KG)

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)

For details on how MAPEI's innovative *Keraflex* technology can help build your business, visit www.mapei.com/us/keraflex-mortars.