



Keraflex[®] mortars

Extra smooth, large-and-heavy-tile mortars
with High-Transfer Technology[™]

Introducing the *Keraflex* family of extra smooth, large-and-heavy-tile mortars with High-Transfer Technology. Features include:

- Outstanding transfer of mortar to the backs of tiles while retaining impressive nonsag/nonslump properties.
- Tenacious bonding abilities.
- Water and frost resistance.
- High resistance to freeze/thaw conditions (*Keraflex Super*).
- Superior mortar-wetting properties.
- Ideal products for edge-leveling clip applications.
- Ease in mixing, with products blending quickly and easily to a lump-free consistency.
- Ease in troweling, with much less effort required due to a buttery texture.



NEW



ISO 13007 C2TES1P1



	Product Code	Color	Packaging
U.S.	1191920	Gray	Bag: 44 lbs.
	1198920	White	Bag: 44 lbs.

Keraflex Membrane Mortar

Premium, extra smooth, large-and-heavy-tile mortar with polymer for membranes

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

ISO 13007: Classification C2TES1P1

- 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



ISO 13007 C2TES1P1



	Product Code	Color	Packaging
U.S.	1200120USA	Gray	Bag: 44 lbs.
	1200220USA	White	Bag: 44 lbs.



Learn more about sustainable products.

Keraflex Super

Premium, extra smooth, large-and-heavy-tile mortar with polymer

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

ISO 13007: Classification C2TES1P1

CO₂ FULLY OFFSET IN THE ENTIRE LIFE CYCLE

- Keraflex Super is part of the “CO₂ Fully Offset in the Entire Life Cycle” line of products. CO₂ emissions measured throughout the life cycle of products from the Zero line in 2023, using Life Cycle Assessment (LCA) methodology, verified and certified with EPDs, have been offset through the acquisition of third-party-certified carbon credits in support of renewable energy and forestry protection projects: A commitment to the planet, to people and to biodiversity.
- High-Transfer Technology for superior mortar-wetting properties
- Extra smooth, creamy consistency for ease of application
- Easy mixing, handling and troweling properties
- Ideal for edge-leveling clip applications
- Highly resistant to extreme freeze/thaw conditions
- Ideal for lippage control systems applications
- Nonsag/nonslump formula for large-format and heavy tile/stone in wall and floor applications
- For bond coats up to 1/2" in embedded thickness
- Approved for interior/exterior water immersion applications
- For water features, fountains and pools
- Interior/exterior residential and commercial installations on floors, walls and countertops in dry and wet areas
- Installation of most types and sizes of gauged porcelain tiles; most large and heavy tile and stone; all types of ceramic and porcelain tile, glass tile and Saltillo tile; and most marble, granite and natural stone



ISO 13007 C2TEP1



	Product Code	Color	Packaging
U.S.	1194720USA	Gray	Bag: 44 lbs.
	1194820USA	White	Bag: 44 lbs.

Keraflex Plus

Professional, extra smooth, large-and-heavy-tile mortar with polymer

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

ISO 13007: Classification C2TE

- High-Transfer Technology for superior mortar-wetting properties
- Extra smooth, creamy consistency for ease of application
- Easy mixing, handling and troweling properties
- Ideal for edge-leveling clip applications
- Nonsag/nonslump formula for large-format and heavy tile/stone in wall and floor applications
- For bond coats up to 1/2" in embedded thickness
- Most interior/exterior residential installations on floors, walls and countertops in dry and wet areas
- Most interior/exterior commercial installations on floors and countertops
- For use in tub surrounds and showers
- For use over exterior-grade plywood
- Installation of ceramic and porcelain tile, manufactured stone, quarry tile, pavers and Saltillo tile, as well as most types of marble, granite and natural stone



ISO 13007 C2TE



	Product Code	Color	Packaging
U.S.	1196120USA 1196220USA	Gray White	Bag: 44 lbs. Bag: 44 lbs.

Keraflex SG

Standard, extra smooth, large-and-heavy-tile mortar with polymer

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

ISO 13007: Classification C2TE

- High-Transfer Technology for superior mortar-wetting properties
- Extra smooth, creamy consistency for ease of application
- Easy mixing, handling and troweling properties
- Ideal for edge-leveling clip applications
- Nonsag/nonslump formula for large-format and heavy tile/stone in wall and floor applications
- For bond coats up to 1/2" in embedded thickness
- For use over plywood and a variety of membranes
- Most interior/exterior residential installations on floors, walls and countertops in dry and wet areas
- Most interior/exterior commercial installations on floors and countertops
- For use in tub surrounds and showers
- For use over exterior-grade plywood
- Installation of ceramic and porcelain tile, manufactured stone, quarry tile, pavers and Saltillo tile, as well as most types of marble, granite and natural stone



ISO 13007 C2TF



	Product Code	Color	Packaging
U.S.	1191720USA 1191820	Gray White	Bag: 44 lbs. Bag: 44 lbs.

Keraflex RS

Professional, rapid-setting, extra smooth, large-and-heavy-tile mortar with polymer

ANSI: Exceeds A118.4FHT and A118.11 requirements

ISO 13007: Classification C2TF

- High-Transfer Technology for superior mortar-wetting properties
- Extra smooth, creamy consistency for ease of application
- Easy mixing, handling and troweling properties
- Fast-setting formulation; set tile within 3 to 4 hours
- Ideal for edge-leveling clip applications
- Nonsag/nonslump formula for large-format and heavy tile/stone in wall and floor applications
- For bond coats up to 1/2" in embedded thickness
- Most interior/exterior residential installations on floors and walls
- Most interior/exterior commercial installations on floors
- For use in tub surrounds and showers
- For use over exterior-grade plywood
- Installation of ceramic and porcelain tile, quarry tile, pavers and Saltillo tile, as well as most types of marble, granite and natural stone

Distinguishing Features of Keraflex Mortars

Substrates	Keraflex Super	Keraflex Membrane Mortar	Keraflex Plus	Keraflex SG	Keraflex RS
Concrete, cement block, brick, mortar beds, leveling coats, cement backer units, gypsum wallboard/plaster and plywood	•	•	•	•	•
VCT, sheet vinyl and cutback residue	•	•	•		•
Ceramic/porcelain/quarry tile and pavers	•	•	•		•
Uncoupling, waterproofing, crack-isolation and sound-reduction membranes	•	•	•	•	•

Uses	Keraflex Super	Keraflex Membrane Mortar	Keraflex Plus	Keraflex SG	Keraflex RS
Exterior building facades	•				
Interior/exterior submerged applications	•	•			
Over infloor heating systems	•	•	•	•	•

Application Properties	Keraflex Super	Keraflex Membrane Mortar	Keraflex Plus	Keraflex SG	Keraflex RS
Open time	35 to 45 minutes	30 minutes	30 minutes	30 minutes	10 to 20 minutes
Pot life	4 hours	> 2 hours	3 hours	> 2 hours	30 minutes

ISO 13007 Classifications	Keraflex Super	Keraflex Membrane Mortar	Keraflex Plus	Keraflex SG	Keraflex RS
	C2TESIP1	C2TESIP1	C2TEP1	C2TE	C2TF

ANSI Specifications	Keraflex Super	Keraflex Membrane Mortar	Keraflex Plus	Keraflex SG	Keraflex RS
	A118.4HET, A118.11 and A118.15HET	A118.4HET, A118.11 and A118.15HET	A118.4HET and A118.11	A118.4HET and A118.11	A118.4FHT and A118.11
ANSI shear strength, impervious tile	425 to 550 psi	420 to 500 psi	220 to 340 psi	200 to 300 psi	350 to 450 psi
ANSI shear strength, glazed wall tile	450 to 550 psi	490 to 550 psi	395 to 540 psi	325 to 440 psi	400 to 500 psi
ANSI shear strength, quarry tile to quarry tile	400 to 550 psi	400 to 600 psi	295 to 415 psi	275 to 400 psi	275 to 400 psi
ANSI shear strength, quarry tile to plywood	200 to 275 psi	150 to 180 psi	> 150 psi	> 150 psi	150 to 200 psi
ANSI F designation (impervious tile): > 50 psi at 4 hours					•
ANSI H designation (large and heavy tile): Lippage change < 1/64"	•	•	•	•	•
ANSI E designation (extended open time): ≥ 72.5 psi at 30 minutes	•	•	•	•	
ANSI T designation (sag on vertical surfaces): ≤ 0.02" at 20 minutes	•	•	•	•	•

Protection	Keraflex Super	Keraflex Membrane Mortar	Keraflex Plus	Keraflex SG	Keraflex RS
Before grouting walls	8 to 16 hours	8 to 10 hours	8 to 16 hours	16 hours	3 hours
Before grouting floors	24 hours	12 hours	24 hours	24 hours	3 hours
Foot traffic	24 to 48 hours	24 to 48 hours	24 to 48 hours	24 to 48 hours	6 hours
Heavy traffic	7 days	7 days	7 days	7 days	24 hours

Coverage	Keraflex Super	Keraflex Membrane Mortar	Keraflex Plus	Keraflex SG	Keraflex RS
1/4" x 1/4" x 1/4" square-notch trowel	115 sq. ft.	90 sq. ft.	90 sq. ft.	86 sq. ft.	91 sq. ft.
1/2" x 1/2" x 1/2" square-notch trowel	58 sq. ft.	45 sq. ft.	45 sq. ft.	43 sq. ft.	48 sq. ft.



Now you can also choose products with CO₂ emissions fully offset.

Choose sustainability for all your projects, with MAPEI.

CO₂ emissions measured throughout the life cycle of products from the Zero line in 2023 using Life Cycle Assessment (LCA) methodology, verified and certified with EPDs, have been offset through the acquisition of third-party-certified carbon credits in support of renewable energy and reforestation projects: A commitment to the planet, to people and to biodiversity. For more details on how emissions are calculated and on climate-mitigation projects that are financed through certified carbon credits, scan the QR code.



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Customer Service

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