

*Keraflex*TM mortars

Extra smooth, large-and-heavy-tile mortars with High Transfer TechnologyTM



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 non-sag/nonslump properties
- Tenacious bonding abilities
- Water and frost resistance
- Highly resistant to freeze/thaw conditions (*Keraflex Super*)
- Superior mortar-wetting properties
- Ideal for edge-leveling clip applications like *MapeLevel™ EasyWDG System*.
- Easy to mix: Products blend quickly and easily to a lump-free consistency
- Easy to trowel, with much less effort required; buttery texture

**MapeLevel™
EasyWDG
System**

MapeLevel EasyWDG System provides greater quality and consistency in tile installations by reducing the effects caused by slight variations in substrates and tiles.



Distinguishing features of Keraflex™ mortars

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

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

ISO 13007 Classifications	Keraflex Super	Keraflex Plus	Keraflex SG	Keraflex RS
	C2TES1P1	C2TE	C2TE	C2TF

ANSI Specifications	Keraflex Super	Keraflex Plus	Keraflex SG	Keraflex RS
	A118.4HTE, A118.11 and A118.15HTE	A118.4HTE and A118.11	A118.4HTE and A118.11	A118.4HTF and A118.11
ANSI shear strength, impervious tile	425 to 550 psi (2.93 to 3.79 MPa)	220 to 340 psi (1.52 to 2.34 MPa)	200 to 300 psi (1.38 to 2.07 MPa)	350 to 450 psi (2.41 to 3.10 MPa)
ANSI shear strength, glazed wall tile	450 to 550 psi (3.10 to 3.79 MPa)	395 to 540 psi (2.72 to 3.72 MPa)	325 to 440 psi (2.24 to 3.03 MPa)	400 to 500 psi (2.76 to 3.45 MPa)
ANSI shear strength, quarry tile to quarry tile	400 to 550 psi (2.76 to 3.79 MPa)	295 to 415 psi (2.03 to 2.86 MPa)	275 to 400 psi (1.90 to 2.76 MPa)	275 to 400 psi (1.90 to 2.76 MPa)
ANSI shear strength, quarry tile to plywood	200 to 275 psi (1.38 to 1.90 MPa)	> 150 psi (1.03 MPa)	> 150 psi (1.03 MPa)	150 to 200 psi (1.03 to 1.38 MPa)
ANSI H designation (large and heavy tile): Lippage change < 1/64" (0.5 mm)	•	•	•	•
ANSI T designation (sag on vertical surfaces): ≤ 0.02" (0.5 mm) at 20 minutes	•	•	•	•
ANSI E designation (extended open time): ≥ 72.5 psi (0.50 MPa) at 30 minutes	•	•	•	
ANSI F designation (impervious tile): > 50 psi (0.34 MPa) at 4 hours				•

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

Coverage	Keraflex Super	Keraflex Plus	Keraflex SG	Keraflex RS
1/4" x 1/4" x 1/4" (6 x 6 x 6 mm) square-notch trowel	115 sq. ft. (10.7 m ²)	90 sq. ft. (8.36 m ²)	86 sq. ft. (7.99 m ²)	91 sq. ft. (8.45 m ²)
1/2" x 1/2" x 1/2" (12 x 12 x 12 mm) square-notch trowel	58 sq. ft. (5.39 m ²)	45 sq. ft. (4.18 m ²)	43 sq. ft. (3.99 m ²)	48 sq. ft. (4.46 m ²)



ISO 13007 C2TES1P1



	Product Code	Color	Packaging
Canada	1200220	White	Bag: 44 lbs. (20.0 kg)
	1200120	Gray	Bag: 44 lbs. (20.0 kg)

Keraflex Super

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

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

ISO 13007: Classification C2TES1P1

- 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
- Non-sag/nonslump formula for large-format and heavy tile/stone in wall and floor applications
- For bond coats up to 1/2" (12 mm) 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 C2TE



	Product Code	Color	Packaging
Canada	1194720	Gray	Bag: 44 lbs. (20 kg)
	1194820	White	Bag: 44 lbs. (20 kg)

Keraflex Plus

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

ANSI: Exceeds A118.4HTE 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
- Non-sag/nonslump formula for large-format and heavy tile/stone in wall and floor applications
- For bond coats up to 1/2" (12 mm) 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
Canada	1196120 1196220	Gray White	Bag: 44 lbs. (20 kg) Bag: 44 lbs. (20 kg)

Keraflex SG

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

ANSI: Exceeds A118.4HTE 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
- Non-sag/nonslump formula for large-format and heavy tile/stone in wall and floor applications
- For bond coats up to 1/2" (12 mm) 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
Canada	1191720	Gray	Bag: 44 lbs. (20 kg)

Keraflex RS

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

ANSI: Exceeds A118.4HTF 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
- Non-sag/nonslump formula for large-format and heavy tile/stone in wall and floor applications
- For bond coats up to 1/2" (12 mm) 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



MAPEI Inc.
2900 Francis-Hughes Avenue
Laval, QC, H7L 3J5

Technical Services
1-800-361-9309

Customer Service
1-800-42-MAPEI (1-800-426-2734)

Copyright ©2021 by MAPEI Inc. ("MAPEI") and all rights are reserved. All intellectual property rights and other information contained in this document are the exclusive property of MAPEI (or its parent or related companies), unless otherwise noted. No part of this document may be reproduced or transmitted in any form without the prior written consent of MAPEI.

Printed in the USA.

