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 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
- Easy to mix: Products blend quickly and easily to a lump-free consistency
- Easy to trowel, with much less effort required; buttery texture
**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" 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

**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" 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
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” 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

**Product Details**

<table>
<thead>
<tr>
<th>U.S. Code</th>
<th>Color</th>
<th>Packaging</th>
</tr>
</thead>
<tbody>
<tr>
<td>1196120USA</td>
<td>Gray</td>
<td>Bag: 44 lbs.</td>
</tr>
<tr>
<td>1196220USA</td>
<td>White</td>
<td>Bag: 44 lbs.</td>
</tr>
</tbody>
</table>


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” 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

**Product Details**

<table>
<thead>
<tr>
<th>U.S. Code</th>
<th>Color</th>
<th>Packaging</th>
</tr>
</thead>
<tbody>
<tr>
<td>1191720USA</td>
<td>Gray</td>
<td>Bag: 44 lbs.</td>
</tr>
</tbody>
</table>
Distinguishing Features of Keraflex Mortars

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

Uses

- Exterior building facades
- Interior/exterior submerged applications
- Over infloor heating systems

Application Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Keraflex Super</th>
<th>Keraflex Plus</th>
<th>Keraflex SG</th>
<th>Keraflex RS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Open time</td>
<td>35 to 45 minutes</td>
<td>30 minutes</td>
<td>30 minutes</td>
<td>10 to 20 minutes</td>
</tr>
<tr>
<td>Pot life</td>
<td>4 hours</td>
<td>3 hours</td>
<td>&gt; 2 hours</td>
<td>30 minutes</td>
</tr>
</tbody>
</table>

ISO 13007 Classifications

- C2TES1P1
- C2TE
- C2TE
- C2TF

ANSI Specifications

<table>
<thead>
<tr>
<th>Property</th>
<th>Keraflex Super</th>
<th>Keraflex Plus</th>
<th>Keraflex SG</th>
<th>Keraflex RS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANSI shear strength, impervious tile</td>
<td>425 to 550 psi</td>
<td>220 to 340 psi</td>
<td>200 to 300 psi</td>
<td>350 to 450 psi</td>
</tr>
<tr>
<td>ANSI shear strength, glazed wall tile</td>
<td>450 to 550 psi</td>
<td>395 to 540 psi</td>
<td>325 to 440 psi</td>
<td>400 to 500 psi</td>
</tr>
<tr>
<td>ANSI shear strength, quarry tile to quarry tile</td>
<td>400 to 550 psi</td>
<td>295 to 415 psi</td>
<td>275 to 400 psi</td>
<td>275 to 400 psi</td>
</tr>
<tr>
<td>ANSI shear strength, quarry tile to plywood</td>
<td>200 to 275 psi</td>
<td>&gt; 150 psi</td>
<td>&gt; 150 psi</td>
<td>150 to 200 psi</td>
</tr>
<tr>
<td>ANSI H designation (large and heavy tile): Lippage change &lt; 1/64&quot;</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>ANSI T designation (sag on vertical surfaces): ≤ 0.02&quot; at 20 minutes</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>ANSI E designation (extended open time): ≥ 72.5 psi at 30 minutes</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td></td>
</tr>
<tr>
<td>ANSI F designation (impervious tile): &gt; 50 psi at 4 hours</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td></td>
</tr>
</tbody>
</table>

Protection

- Before grouting walls: 8 to 16 hours
- Before grouting floors: 24 hours
- Foot traffic: 24 to 48 hours
- Heavy traffic: 7 days

Coverage

<table>
<thead>
<tr>
<th>Tool Type</th>
<th>Coverage 1/4&quot; x 1/4&quot; x 1/4&quot;</th>
<th>Coverage 1/2&quot; x 1/2&quot; x 1/2&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4&quot; x 1/4&quot; x 1/4&quot; square-notch trowel</td>
<td>115 sq. ft.</td>
<td>58 sq. ft.</td>
</tr>
<tr>
<td>1/2&quot; x 1/2&quot; x 1/2&quot; square-notch trowel</td>
<td>90 sq. ft.</td>
<td>45 sq. ft.</td>
</tr>
</tbody>
</table>
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
- Exterior building facades
- Interior/exterior submerged applications
- Over infloor heating systems

Application Properties
- 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
- C2TES1P1
- C2TE
- C2TE
- C2TF

ANSI Specifications
- Keraflex Super, Keraflex Plus, Keraflex SG, Keraflex RS
- A118.4HTE, A118.11
- A118.4HTF, A118.11

ANSI shear strength, impervious tile
- 425 to 550 psi
- 220 to 340 psi
- 200 to 300 psi
- 350 to 450 psi

ANSI shear strength, glazed wall tile
- 450 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
- 295 to 415 psi
- 275 to 400 psi
- 275 to 400 psi

ANSI shear strength, quarry tile to plywood
- 200 to 275 psi
- > 150 psi
- > 150 psi
- 150 to 200 psi

ANSI H designation (large and heavy tile):
- Lippage change < 1/64”
- ≤ 0.02” at 20 minutes
- ≥ 72.5 psi at 30 minutes

ANSI F designation (impervious tile):
- > 50 psi at 4 hours

Protection
- 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
- 1/4” x 1/4” x 1/4” square-notch trowel: 115 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, 43 sq. ft, 48 sq. ft