86 LatiLevel™

86 LatiLevel™ is a cementitious powder that is mixed with water or LATICRETE latex to produce a free-flowing self-leveling underlayment mortar for rapid leveling of interior sub-floors. Can be poured from feather edge to 10 mm in one pour. 86 LatiLevel will produce a smooth and flat surface with excellent durability, which is ready for foot traffic in less than 4 hours at 21°C.

FEATURES/BENEFITS

- From feather edge to 10 mm thickness in one pour.
- Economical and easy to use
- Fast setting
- 10 – 15 minute heal time
- Water resistant, non-shrinking
- Pumpable, free-flowing; eliminates sanding and traveling.
- Compatible with most adhesives

USES

For leveling uneven concrete and other nominated floors surfaces: smoothing rough, spalled concrete and finishing rough screeed concrete slabs. Ideal for new construction and renovation projects, in both residential and commercial applications.

SUITABLE SUBSTRATES

- Concrete
- Cement backer board
- Ceramic tile and stone
- Cement mortar beds
- Cement terrazzo
- Over under tile heating cables/mats

* Consult cement backer board manufacturer for specific installation recommendations.

** See 5. Installation-Surface Preparation

RECOMMENDED COVERINGS

- Ceramic tile
- Carpet
- Linoleum
- Stone
- Vinyl tile
- Wood parquet
- Traffic bearing epoxy coatings

PACKAGING/COLOUR

- 20 kg bag; 56 bags per pallet
- Grey
TECHNICAL DATA

Physical Properties when mixed with water

<table>
<thead>
<tr>
<th>Test</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compressive Strength</td>
<td></td>
</tr>
<tr>
<td>1-day</td>
<td>20 MPa</td>
</tr>
<tr>
<td>7-day</td>
<td>25 MPa</td>
</tr>
<tr>
<td>28-day</td>
<td>30 MPa</td>
</tr>
<tr>
<td>Flexural Strength in 7 days</td>
<td>5 MPa</td>
</tr>
</tbody>
</table>

VOC Content

<table>
<thead>
<tr>
<th>Test Method</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCAQMD Test 304-91</td>
<td>15 grams/litre</td>
</tr>
</tbody>
</table>

Working Properties at 21°C when mixed with water

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Working Time</td>
<td>15 – 20 minutes</td>
</tr>
<tr>
<td>Flow Time</td>
<td>10 – 15 minutes</td>
</tr>
<tr>
<td>Time to Foot Traffic</td>
<td>3 – 4 hours</td>
</tr>
</tbody>
</table>

Specifications subject to change without notification. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation methods and site conditions.

INSTALLATIONS

Surface Preparation

Installation Over Concrete Slabs.

- Contaminated and/or highly trowelled, closed pored concrete surfaces must be shot blasted or mechanically abraded prior to application.
- If in doubt about surface suitability, test a 1 – 2 m² section for bond prior to commencing the work.
- All surfaces must be primed with LATICRETE Multi Prime and should be between 4°C and 32°C. Surfaces should be structurally sound, clean and free from all dirt, oil, grease, adhesives, paint, sealers or curing compounds.
- New concrete surfaces must be at least 28 days old
- Expansion joints shall be provided through the tile work from all construction or expansion joints in the substrate. Follow Australian Standards requirements for Expansion Joints in AS3958.1 Section 5.4.5 & AS3958.2 Section 4.5 or TCNA detail EJ-171 “Movement Joints — Vertical & Horizontal”. Do not cover expansion joints with mortar.

Shelf Life

Factory sealed containers of this product are guaranteed to be of first quality for one (1) year* if stored off the ground in a dry area at 18 – 26°C at 50% relative humidity.

* High humidity will reduce the life of the bagged product.

Limitations

- Do not install when surface temperature is below 4°C.
- Do not install over painted or gypsum-based surfaces.
- Do not exceed recommended mixing ratio as indicated in mixing instructions. Over watering may weaken product properties.
- Never mix with cement or admixtures unless specified in this document.
- Not a wearing surface, must be covered with flooring.
- Not for use in submerged applications.
- Do not bond directly to particle board, MDF, Masonite® surfaces.
- Adhesives/mastics, mortars and grouts for ceramic tile, pavers, brick and stone are not replacements for waterproof membranes. When a waterproof membrane is required, use a LATICRETE® Waterproof Membrane.

Cautions

- During cold weather, protect finished work from traffic until fully cured.
- There may be a need for perimeter isolation joints depending on thickness of application.
- Contains Portland cement and silica sand. May irritate eyes and skin. Avoid contact with eyes or prolonged contact with skin. In case of contact, flush thoroughly with water.
- Do not take internally. Silica sand may cause cancer or serious lung problems. Avoid breathing dust. Wear a respirator in dusty areas.
- Keep out of reach of children.

Primer

LATICRETE Multi Prime:
20 and 5 litre pails

Approximate Coverage per 20 kg bag

<table>
<thead>
<tr>
<th>Nominal Thickness</th>
<th>Approximate Coverage</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 mm</td>
<td>4 m²</td>
</tr>
<tr>
<td>6 mm</td>
<td>2 m²</td>
</tr>
<tr>
<td>12 mm</td>
<td>1 m²</td>
</tr>
<tr>
<td>18 mm</td>
<td>0.66 m²</td>
</tr>
<tr>
<td>25 mm</td>
<td>0.48 m²</td>
</tr>
<tr>
<td>40 mm</td>
<td>0.3 m²</td>
</tr>
</tbody>
</table>

**2017 LATICRETE Australia Pty Ltd | All trademarks shown are the intellectual properties of their respective owners. Data Sheets are subject to change without notice. For latest revision, visit www.laticrete.com.au **
Installation on Cement Sheet over Framed Sub-floors
- Installer must verify that deflection under all live, dead and impact loads of interior cement sheet floors does not exceed industry standard of L/360 for ceramic tile and brick or L/480 for stone installations where L=span length.
- Minimum sub floor construction and underlayment thickness should be consistent with the requirements of table 3.1 of AS3958.1-2007 when installing tile. (Consult LATICRETE for further information).
- Prime cleaned and properly prepared cement sheet surface with LATICRETE Multi Prime as described in the Primer section.
- Mix the 86 LatiLevel™ with LATICRETE Latex in lieu of water.
- Install 86 LatiLevel when primer has dried but is still tacky.

Installation over Cutback Adhesive
- Consult adhesive manufacturer and any government agencies for proper removal of any adhesives containing asbestos. Consult resilient floor covering association/industry for recommended work & practices for removal of resilient floor coverings including adhesives. All cutback adhesives must be removed by thoroughly shot-blasting the floor prior to installation of 86 LatiLevel.

Installation over Existing Ceramic Tile, Stone or Cement Terrazzo
- Skim coat existing, prepared ceramic tile, cement terrazzo or stone with LATICRETE 335 Premium Flexible Adhesive. (3 mm thick continuous coating). Allow to dry.
- Prime surface according to Priming section and install according to Application section.

Priming
Use LATICRETE Multi Prime with every application. Shake thoroughly before using. Pour, map or spray primer onto the surface. Apply an even thickness of primer to the prepared substrate using a bristle broom to ensure the primer is absorbed into the substrate, removing any puddles or thick areas. Use undiluted from the container and 5 litres of substrate using a bristle broom to ensure the primer is absorbed into the substrate, mop or spray primer onto the surface. Apply an even thickness of primer to the prepared surface. Shake thoroughly before using. Pour, map or spray primer onto the surface. Apply an even thickness of primer to the prepared substrate using a bristle broom to ensure the primer is absorbed into the substrate, removing any puddles or thick areas. Use undiluted from the container and 5 litres of substrate using a bristle broom to ensure the primer is absorbed into the substrate, mop or spray primer onto the surface. Apply an even thickness of primer to the prepared surface.

Mixing
Place 4.4 litres of clean potable water into a clean pail. Add 20 kg bag of 86 LatiLevel slowly into the pail; mix as the material is poured. Use a high speed mixer (500 rpm) and mix thoroughly for one minute for a smooth, creamy mix with no clumps. Follow all mixing instructions on bag. Be sure to not add too much water. Mix no more than two bags at a time with appropriate water. For applications that require a latex in lieu of water use LATICRETE 3701 Mortar Admix, LATICRETE Latapbond or the LATICRETE Multi Prime as the gauging liquid in place of water.

Cleaning
Clean tools and tile work with water while mortar is fresh.

AVAILABILITY AND COST
Availability
LATICRETE and LATAPOXY™ materials are available worldwide.
For Distributor information:
Toll Free: 1800 331 012
Telephone: 07 3865 1599
For online distributor information, visit LATICRETE at www.laticrete.com.au

Cost
Contact a LATICRETE Distributor in your area.

MAINTENANCE
LATICRETE and LATAPOXY grouts require routine cleaning with a neutral pH soap and water. All other LATICRETE and LATAPOXY materials require no maintenance but installation performance and durability may depend on properly maintaining products supplied by other manufacturers.
TECHNICAL SERVICES

Technical assistance
Information is available by calling:
Toll Free:  1800 331 012
Telephone:  07 3865 1599
Fax:  07 3865 2250

Technical and safety literature
To acquire technical and safety literature, please visit our website at
www.laticrete.com.au

DISCLAIMER

- The information contained in this document is given in good faith and to the best
  of our knowledge is true and accurate.
- This information is subject to change without notice and it is the responsibility of
  the user to obtain up to date and current information.
- The use of this product is beyond our control and liability is restricted to replacement
  of product proven faulty.
- The manufacturer is not responsible for any loss or damage arising from incorrect
  usage of this product.
- Efflorescence is a normal condition of Portland cement and is not covered by any
  warranty. The use of LATAPOXY 310 Stone Adhesive, LATAPOXY® 300 Adhesive,
  SPECTRALOCK® PRO Premium Grout†, LATAPOXY SP-100 and SPECTRALOCK 2000
  IG will not contribute to any noticeable efflorescence.

LATICRETE Australia Pty Ltd
29 Telford Street, Virginia
QLD 4014 Australia
1800 331 012
www.laticrete.com.au

† United States Patent No.: 6,881,768 (and other Patents).