4237 Latex Additive

4237 Latex Additive is a specially designed latex additive for use with 211 Crete Filler Powder to make a high strength latex thin bed and medium bed adhesive up to 15 mm. For installing all types of tile, stone and agglomerates.

Also for use with Portland cement to make slurry bond coats for mortar beds and for use with thin set adhesives to give improved performance and longer open time. To achieve longer open time under tropical or desert conditions, the use of LATICRETE Thin-Set Adhesive (315 Super Floor & Wall Thin-Set Adhesive) is recommended instead of 211 Crete Filler Powder.

FEATURES/BENEFITS

- Superior bond strength.
- Flexible and shock resistant; rated for extra heavy traffic conditions.
- Weather and frost resistant for interior and exterior use in all types of climates.
- Proven performance; used in all types of applications for over 60 years.
- Safe, economical and easy to use; non-hazardous, non-flammable.

PACKAGING

- 19 litre pail; 32 pails per pallet
- 5 liter jerrycan; 3 jerrycans per carton

USES

Used for installation of all types of ceramic tile, brick, natural stone and agglomerates. 4237 Latex Additive offers the speed and economy of adhesives with the permanent, water resistant dependability of Portland cement. Can also be mixed with PERMACOLOR® Grout to make coloured adhesive for the installation of paper face mounted glass mosaic tiles.

SUITABLE SUBSTRATES (interior use only)

- Concrete
- Cement terrazzo
- Brick masonry
- Cement plaster
- Concrete masonry
- Cement backer board*
- Cement mortar beds
- Ceramic tile and stone
- Gypsum wallboard (interior only)

** Consult cement backer board manufacturer for specific installation recommendations and to verify acceptability for exterior use.

MANUFACTURER

LATICRETE Australia Pty Ltd
29 Telford Street
Virginia, QLD 4014 Australia

Telephone: 07 3865 1599
Toll Free: 1800 331 012
Fax: 07 3865 2250
Internet: www.laticrete.com.au

^ United States Patent No.: 6,784,229 (and other Patents).
Approximate Coverage
- Per 19 litre pail of 4237 Latex Additive when mixed with 75 kg of 211 Crete Filler Powder
- 25 – 30 m² using a 6 mm x 6 mm square notched trowel
- 18 – 23 m² using a 6 mm x 9 mm square notched trowel

Shear Bond, Porcelain Tile, Water Immersion
ANSI A118.4 5.2.3 
2.2–2.48 MPa

Shear Bond, Porcelain Tile, 7 day cure
ANSI A118.4–5.2.2 
2.4–2.55 MPa

Water Absorption
ANSI A118.6–4.4 <4%

Compressive Strength
ANSI A118.4–6.1 
34.5 MPa

Tensile Bond
BS 5980:1980 Class AA; 14 days 1575 N (161 kg)

Shear Adhesion
BS 5980:1980 Class AA; 14 days 22.8 kN (2325 kg)

Coefficient of Linear Thermal Expansion
ASTM C–531
117 x 10–7/(°C)

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
Unless otherwise noted in this document all work shall be in accordance to AS3958.1&2.

Surface Preparation
- All surfaces should be between 4°C and 32°C and structurally sound, clean and free of all dirt, oil, grease, loose peeling paint, concrete sealers or curing compounds.
- Rough or uneven concrete surfaces should be made smooth with LATICRETE Latex Portland Cement underlayment to provide a wood float (or better) finish.
- Dry, dusty concrete slabs or masonry should be dampened and excess water swept off. Installation may be made on a damp surface.

Performance Properties
4237 Latex Additive mixed with 315 Super Floor & Wall Adhesive

<table>
<thead>
<tr>
<th>Test / Test Method</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>28 day Tensile Strength</td>
<td>AS ISO 13007.1 &amp; 2 &gt;3MPa</td>
</tr>
<tr>
<td>Water immersion</td>
<td>AS ISO 13007.1 &amp; 2 &gt;1.4MPa</td>
</tr>
<tr>
<td>Heat Ageing</td>
<td>AS ISO 13007.1 &amp; 2 &gt;3MPa</td>
</tr>
<tr>
<td>30 minute open time</td>
<td>AS ISO 13007.1 &amp; 2 &gt;2.5MPa</td>
</tr>
<tr>
<td>Transverse Deformation</td>
<td>AS ISO 13007.1 &amp; 2 &gt;5.5mm</td>
</tr>
</tbody>
</table>

4237 Latex Additive mixed with 211 Crete Filler Powder at 21°C

<table>
<thead>
<tr>
<th>Test / Test Method</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shear Bond, Porcelain Tile, 28 day cure ANSI A118.4 5.2.4</td>
<td>2.76–4.14 MPa</td>
</tr>
</tbody>
</table>

Cautions
- Consult SDS for more safety information.
- During cold weather, protect finished work from traffic until fully cured.
- Wait 14 days after the final grouting before filing water features with water at 21°C
- Keep out of reach of children.

TECHNICAL DATA
When mixed with 315 Super Floor & Wall cement based adhesive, meets and exceeds the requirements of AS ISO13007 - 2013 as a C2TES2.
When mixed with 211 Crete Filler Powder, meets and exceeds the requirements of AS ISO13007-2013 as a C2ES1 adhesive.

VOC
Green Building Council of Australia Green Star Office Design V3 IEQ-13 37 grams/litre as VOC content per coating.

Working Properties
4237 Latex Additive mixed with 211 Crete Filler Powder at 21°C

<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Open Time</td>
<td>30 minutes</td>
</tr>
<tr>
<td>Pot Life</td>
<td>5 hours</td>
</tr>
<tr>
<td>Time to Light Traffic @ 21°C</td>
<td>24 hours</td>
</tr>
<tr>
<td>Average Wet Density</td>
<td>1700 kg/m³</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
Unless otherwise noted in this document all work shall be in accordance to AS3958.1&2.

Surface Preparation
- All surfaces should be between 4°C and 32°C and structurally sound, clean and free of all dirt, oil, grease, loose peeling paint, concrete sealers or curing compounds. Rough or uneven concrete surfaces should be made smooth with LATICRETE Latex Portland Cement underlayment to provide a wood float (or better) finish. Dry, dusty concrete slabs or masonry should be dampened and excess water swept off. Installation may be made on a damp surface. Note: Latex Portland Cement Mortars do not require a minimum cure time for concrete slabs. All slabs must be plumb and true to within 5 mm in 3 m for thin-set installations. Expansion joints shall be provided through the tile work from all construction or expansion joints in the substrate. Follow the Australian Standards requirements for Expansion Joints in AS3958.1 Section 5.4.5 and AS3958.2 Section 4.5 or TCNA detail EJ-171 “Movement Joints — Vertical & Horizontal”. Do not cover expansion joints with adhesive.
Mixing
Stir 4237 Latex Additive thoroughly before use. Use approximately 4.5 – 5.5 litres of 4237 Latex Additive to 20 kg of 211 Crete Filler Powder, or approximately 5 – 5.4 litres of 4237 Latex Admix to 20 kg of 315 Super Floor & Wall Adhesive. Place 4237 Latex Additive in a clean plastic pail. Do not dilute. Add 211 Crete Filler Powder to 4237 Latex Additive and mix to a smooth, trowelable consistency. Allow adhesive to slake for 5 – 10 minutes. Adjust consistency if necessary. Remix and apply with the proper sized notched trowel. Note: For the installation of paper-face mounted glass mosaic tile, mix approximately 2.5 litres of 4237 Latex Additive with 10 kg of PERMACOLOR® Grout.

Application
Apply adhesive to the substrate with the flat side of the trowel, pressing firmly to work into surface. Comb on additional adhesive with the notched side. Note: Use the proper sized notched trowel to insure full bedding of the tile. It is essential that enough adhesive is used to completely cover the back of the tile with a minimum 2 mm to 3 mm uniform thickness. Spread as much adhesive as can be covered with tile in 15 – 20 minutes. Back butter large tiles >200 mm x 200 mm to provide full bedding and firm support. Place tiles into wet, sticky adhesive and beat in using a beating block and rubber mallet to imbed tile and adjust level. Check adhesive for complete coverage by periodically removing a tile and inspecting bedding adhesive transfer onto back of tile.

Grouting
Grout installation after a minimum of 24 hours curing time at 21°C. Grout with PERMACOLOR Grout. For maximum stain resistance use SPECTRALOCK® PRO Premium Grout.

Slurry Bond Coats
Mix in the ratio of 19 litres of 4237 Latex Additive with 1.5 - 2 x 20 kg bags of 211 Crete Filler Powder with a high speed mixer to make a smooth creamy slurry bond coat for use on suitable surfaces under mortar beds. Do not allow slurry bond coat to skin or dry prior to the application of the mortar bed. See TDS1009 for further information.

Cold Weather Note
The setting of Portland cement mortars, adhesive and grouts are retarded by low temperatures. Protect finished work for an extended period when installing in cold weather. For faster setting adhesive use a LATICRETE® Thin-Set with 101 Rapid Latex Admix. Do not set tile when surface temperature is below freezing or when substrate is frozen. See TDS1175 for further information.

Hot Weather Note
The evaporation of moisture in Portland cement mortars and adhesives is accelerated by hot, dry conditions. Apply to dampened surfaces and protect freshly spread adhesive and finished work when installing in temperatures over 35°C. See TDS1018 for further information.

Cleaning
Clean tools and tile work with water while adhesive 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, sealers and sealants require routine maintenance and cleaning with a neutral pH detergent and water. See TDS 1113 for more information.
All other LATICRETE and LATAPOXY non-finish 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 assumed by the user when used incorrectly and not in accordance with LATICRETE guidelines.
- The manufacturer is not responsible for any loss or damage arising from incorrect usage of this product.
- The specifier or other party responsible for the project must ensure that the details in this data sheet are appropriate for the intended application and that additional detailing is performed for specific design or any areas that fall outside the scope of this specification.

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

^ United States Patent No.: 6,784,229 (and other Patents).
† United States Patent No.: 6,881,768 (and other Patents).
§ United States Patent No.: 6,981,768 (and other Patents).