



**Globally Proven
Construction Solutions**

Stone Solutions Architectural Brochure



Novartis Pharmaceutical, Boston, MA



Community College of Southern Nevada, Las Vegas, NV



LATICRETE International, Inc., Headquarters, Bethany, CT

- Comprehensive Systems for Stone Installations
- Backed by a LATICRETE® 25 Year System Warranty*
- Contributes to Green Star Certification
- LATICRETE Offers Over 50 Years of Experience in Tile and Stone Installations Materials



Architectural Resources, Saving Time and Effort

LATICRETE offers resource tools to help design and specification professionals save time when specifying tile and stone installation systems.

The web-based **LATICRETE Architectural Guidebook** empowers design and specification professionals to create custom specifications based on industry standards for over 100 types of installations with just a few clicks of a mouse.

Second, LATICRETE offers BIM compliant, Autodesk® Revit® format details which quickly and easily plug into architectural plans and incorporate 3D Revit Family details, specifications, product data sheets, GREENGUARD certificates, and more... These details are currently available at www.smartbim.com and <http://seek.autodesk.com> and will soon be available at www.laticrete.com.au

Certified Products, Contributing to Green Star and LEED Projects

LATICRETE provides tile and stone installation materials certified by CETEC to the Green Star Office Design V2 IEQ-13, Green Star Office Interiors V1.1 IEQ-11 and Green Star Office Design V3 IEQ-13 Specification in accordance to the SCAQMD Method 304-91 Determination of Volatile Organic Compounds (VOC) in Various Materials as referenced by South Coast Air Quality Management Division (SCAQMD) Rule 1168. LATICRETE also provides tile and stone installation materials certified by GREENGUARD. GREENGUARD certification provides you the proof and assurance that the specified LATICRETE Systems meet appropriate indoor air quality standards for volatile organic compounds (VOCs).

For all of your job specific Green Star and LEED certifications of LATICRETE products, please visit www.laticrete.com.au to access the LATICRETE LEED Project Certification Assistant.

Visit www.laticrete.com.au today.

Autodesk® Seek



Comprehensive Systems for Stone Installation

The increased use of stone combined with increasingly difficult applications requires high performance, dependable systems. The LATICRETE Stone Solutions System will work in these challenging environments without fail, at an affordable cost and with your clients needs in mind. Crack suppression, waterproofing and bond strength are among the most important performance criteria for stone installations.

LATAPOXY® 310 Stone Adhesive

LATAPOXY® 310 Stone Adhesive is a two-component, high strength construction epoxy adhesive for spot bonding large format tile and stone on vertical surfaces. LATAPOXY 310 Stone Adhesive can be used for interior or approved exterior applications. LATAPOXY 310 Stone Adhesive offers the advantage of speed of installation, which increases productivity and lowers labour costs. Also available in a rapid setting version: LATAPOXY 310 Rapid Stone Adhesive.

4237 Latex Additive & 211 Crete Filler Powder

4237 Latex Additive and 211 Crete Filler Powder is a versatile two-part, fortified adhesive, providing unmatched history in performance and dependability. More than 50 years strong as a façade adhesive in Australia. Can be used as a medium bed mortar for up to 15 mm thick applications, for internal and external stone installation.

335 Premium Flexible Adhesive

335 Premium Flexible Adhesive is a flexible cementitious high performance bagged powder to be mixed with water to install low absorption ceramic tile, porcelain tile and stone using the thin-set method of installation. Exceeds the requirements of AS4992.1&2 classification C2TES1. Excellent for exterior and underwater applications, superior bond to masonry.

HYDRO BAN®

HYDRO BAN® is a thin, load-bearing waterproofing and anti-fracture membrane that does not require the use of fabric* in the field, coves or corners; flood tests can be conducted within 2 hours*. HYDRO BAN is a single component, self-curing liquid rubber polymer that forms a flexible, seamless waterproofing membrane providing anti-fracture protection up to 3 mm, bonding to a wide variety of substrates. HYDRO BAN can also be used as flashing on pvc and metal plumbing fixtures and can be applied with an airless sprayer. HYDRO BAN is IAPMO and ICC approved as a shower pan liner. Meets ANSI A118.10 and ANSI A118.12 requirements.

SPECTRALOCK® PRO Grout†

SPECTRALOCK® PRO Grout† is as easy to install as cement grout yet with the added performance and stain resistance of epoxy. SPECTRALOCK PRO Grout provides vibrant and consistent colour, is easy to maintain and always cleans to the original colour. SPECTRALOCK PRO Grout also meets the ANSI A118.3 performance standard.

PERMACOLOR® Grout

PERMACOLOR® Grout offers the maximum performance available in a cement-based grout, providing consistent colour and antimicrobial protection to resist stain-causing mould and mildew. PERMACOLOR Grout is easy to install — just mix with water. PERMACOLOR Grout is ideal for floors and walls in both interior and exterior installations.

LATASIL™

LATASIL™ is a high-performance 100% silicone sealant for treating joints on interior or exterior applications.

* United States Patent No.: 6881768 (and other Patents).

† United States Patent No.: 6,784,229 B2 (and other Patents).

** See Data Sheets DS-1036 and TDS1003 for complete product details.

Architectural Details

Wall Interior Tile/Stone Spot Mounted over Concrete or Masonry ES-W309

LATICRETE® Letasil® (1.)

Ceramic Tile, Porcelain or Stone

LATAPOXY® 310 Stone Adhesive (2.)

Reinforced Concrete Wall (3.)

NOTES:

- 1.) Flexible Sealant – LATICRETE Letasil
- 2.) Consult Data Sheet for appropriate diameter dob size thickness and veneer requirements.
- 3.) Surface must be plumb and smooth, clean and free of debris and any contaminants. Minimum requirements for concrete shall be 6" (150mm) thickness; 3,500 psi (24MPa) and 28 days old. Maximum deflection under total anticipated load not to exceed L/360 for tile or L/480 for stone.
- 4.) Install weeps as specified on project documents and industry standards.
- 5.) Consult LATICRETE Technical Services for exterior installations.
- 6.) Installation height not to exceed 30' (9.1m) unless approved by design professional.

Revision Date: 5/09 Scale: N.T.S.

NOTE: For complete application information and limitations consult related Product Data Sheets and Execution Statements related to this detail and applicable industry standards. As a professional courtesy, LATICRETE offers technical services free of charge. The user maintains all responsibility for verifying the applicability and suitability of the technical service or information provided.

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20-PMW-1207

Concrete – Thin Bed Method with Waterproofing ES-F122

Concrete

LATICRETE® Hydro Bar®

LATICRETE 335 Premium Flexible Adhesive

LATICRETE SpectroLOCK® PRO Grout; or, LATICRETE PermaColor® Grout

Ceramic Tile or Stone

Revision Date: 5/09 Scale: N.T.S.

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20-PMW-1207

LATAPOXY 310 Stone Adhesive

- Saves Money and Reduces Shipping Expenses
- Reduces Labour Cost
- Part of the LATICRETE 25 Year System Warranty*
- Interior and Exterior** Use
- Weather and Shock Resistant

LATICRETE Thin-Bed System

- Industry Accepted, Code Approved
- Part of the LATICRETE 25 Year System Warranty*
- Weather and Shock Resistant
- Certified Low VOC Contributes to Green Star Certification

** Consult LATICRETE Technical Services Department for approval prior to use.

LATAPOXY® 310 Stone Adhesive
 can triple productivity
 of any installation
 and allows for
 faster project
 completion.

COST COMPARISON OF SYSTEMS			
Method	Minimum Stone Veneer Thickness	Minimum Stone Veneer Weight per SF	Approximate Labour Productivity per Installer m ² /day
Thin-Bed	9 mm	2.7 kg	13.5 m ²
Leveling Bed plus Thin-Bed	9 mm	2.7 kg	6.75 m ²
Mechanical Anchor	19 mm	5.6 kg	6.48 m ²
LATAPOXY® 310 Stone Adhesive	9 mm	2.7 kg	22.5 m ²

Note: Broadscope U.S. average by LATICRETE Technical Services

COST COMPARISON – TYPICAL 900 M ² VENEER PROJECT						
Method	Total Weight of Stone	Cost of Stone	Total Weight of Installation Materials Excluding Grout	Total Weight	Trucks to Job*	Days for Installation (Based on a 2 Person Crew)
Thin-Bed	27,000 kg	1x	4,500 kg	31,500 kg	1.75	33 days
Leveling Bed plus Thin-Bed	27,000 kg	1x	31,500 kg	58,500 kg	3.25	67 days
Mechanical Anchor	54,000 kg	2x	7,875 kg	61,875 kg	3.3	69 days
LATAPOXY® 310 Stone Adhesive	27,000 kg	1x	603 kg	27,603 kg	1.53	20 days

Note: Broadscope U.S. average by LATICRETE Technical Services *18,000 kg truckloads



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