



# Thin Masonry Adhesive

DS-36625-0421

**Globally Proven  
Construction Solutions**



## 1. PRODUCT NAME

Thin Masonry Adhesive

## 2. MANUFACTURER

LATICRETE International, Inc.

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## 3. PRODUCT DESCRIPTION

A lightweight, polymer fortified, thin masonry veneer mortar all in one bucket. LATICRETE Thin Masonry Adhesive is an easy to mix and use product for everyone from the DIY'er to the experienced installer. Made for adhering thin masonry veneers for interior and exterior projects. Thin Masonry Adhesive features excellent non-sag performance on walls and can be built up to 3/4" (19 mm) without shrinkage. Thin Masonry Adhesive contains no respirable crystalline silica levels that exceed the OSHA action level\* and has a smooth, lightweight, easy to work with consistency and a long open time for ease of installation. Thin Masonry Adhesive features superior strength and durability, exceeding ANSI A118.4 & A118.15 requirements. Thin Masonry Adhesive utilizes the NEW LATICRETE HYDROMATIC CURE CHEMISTRY™. This technology accelerates the hydration process to rapidly consume the water in the system, allowing the material to cure in a predictable manner.

\*OSHA action level set forth in OSHA's Respirable Crystalline Silica (RCS) standard for construction, 29 CFR 1926.1153, as tested by an independent laboratory to be below the OSHA action level for respirable crystalline silica - <https://laticrete.com/en/innovation-and-impact/osha-silica> for more details.

## Uses

- For interior and exterior wall installations of thin brick, manufactured stone, precast concrete panels and natural cut stone.
- For other exterior installations please see approved suitable substrates below.

## Advantages

- Just add water, not additives needed
- Lightweight
- 2 12.5 lb (5.6 kg) bags packed in a pail with water fill lines for ease of mixing and no waste
- Faster installations
- Superior non-sag performance.
- 40 Minute Open Time
- High bond strength.
- Exceeds ANSI A118.4 and A118.15 HET
- Can built out to 3/4" (19 mm) thick
- Bonds to most substrates
- Made with Microban\* technology

## Suitable Substrates

- Speedymason Stone Lath
- Speedymason Brick Lath
- Brick Masonry
- Cement Backer Board (Consult cement backer board manufacturer for specific installation recommendations and to verify acceptability for exterior use)
- Cement Plaster/Render
- Concrete
- Concrete Block
- Concrete Masonry
- Gypsum Plaster (Interior use only, non-wet areas)
- Mortar Bed
- Exterior Glue Plywood (Interior Only)
- Gypsum Wallboard

## Packaging

2 12.5 lb (5.6 kg) bags

## Colors

Grey

## Approximate Coverage

Coverage for pail containing 2 12.5 lb (5.6 kg) bags

Vertical Applications	ft <sup>2</sup>	m <sup>2</sup>
SpeedyMason Thin Brick Lath (Back butter method)	21 - 23	1.9 - 2.1
SpeedyMason Stone Lath (Back butter method)	15 - 16	1.4 - 1.5
<b>COVERAGE FOR OTHER APPROVED SUBSTRATES</b>		
Trowel Method for Thin Brick	50 - 60	4.6 - 5.6
Trowel Method for Manufactured Stone	32 - 36	3.0 - 3.3
Trowel Method for Thin Natural Stone	32 - 36	3.0 - 3.3

## Shelf Life

Factory sealed containers of this product are guaranteed to be of first quality for two (2) years if stored off the ground in a dry area. \*\*\* High humidity will reduce the shelf life of bagged product.

## Limitations

- Not for use directly over particle board, luan, Masonite® or hardwood floors.
- For exterior veneer installations using this product, consult local building code requirements regarding limitations and installation system specifications.
- Adhesives and mortars for thin brick and thin stone are not replacements for waterproofing membranes. When a waterproofing membrane is required, please consult LATICRETE® International for information.

## Cautions

- Consult SDS for safety information.
- Some marbles and other natural stone have low flexural strength and might not be suitable for installation over wood floors.
- Protect finished work from traffic until fully cured.

## 4. TECHNICAL DATA

### VOC/LEED Product Information

This product has been certified for Low Chemical Emissions (ULCOM/GG UL2818) under the UL GREENGUARD Certification Program For Chemical Emissions For Building Materials, Finishes and Furnishings (UL 2818 Standard) by UL Environment.

Total VOC Content pounds/gallon (grams/liter) of product is 0.00 lb/gal (0.00 g/L).

## Applicable Standard

- ANSI A118.4
- ANSI A118.11
- ANSI A118.15
- ASTM C482
- This product has a cradle-to-gate (with options) Product-Specific (Type III) Environmental Product Declaration. The PCR review, life cycle assessment and declaration were independently verified by UL Environment in accordance with ISO 14025, ISO 14040 and ISO 14044.

## Physical Properties

Test	Test Method	Results
30 minute Open Time	ANSI A118.15 5.3.5	90-120 psi ( MPa)
28 day Quarry Tile Shear Strength	ANSI A118.15 7.3.2	400-450 psi ( MPa)
7 day Porcelain Tile Shear Strength	ANSI A118.15 7.2.3	500-550 psi ( MPa)
1 day Porcelain Tile Shear strength	ANSI A118.15 7.2.2	200-275 psi ( MPa)
7 Day Wall Tile Shear Strength	ANSI A118.15 7.1.2	525 -575 psi (3.6 - 3.9 MPa)
28 day Shear Bond, Porcelain Mosaic Tile	ANSI A118.15 7.2.5	500-575 psi ( MPa)
28 day Shear Bond, Quarry Tile/Plywood	ANSI A118.11 4.1.1.2	180-250 psi ( 1.24-1.72 MPa)
Sag on Wall	ANSI A118.15.6.0	0 in. (0 mm)

## Working Properties

Pot Life	4 Hours
Open Time @70°F(21°C)	40 Minutes

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.

## 5. INSTALLATION

### Surface Preparation

All surfaces should be between 40°F (4°C) and 90°F (32°C) and structurally sound, clean and free of all dirt, oil, grease, paint, concrete sealers or curing compounds. Rough or uneven concrete surfaces should be made smooth. Expansion joints shall be provided through the Adhered Manufactured Stone Veneer (AMSV) from all construction or expansion joints in the substrate. Follow ANSI specification A108.01–3.7 “Requirements for Movement Joints: Preparations by Other Trades” or TCNA detail EJ-171 “Movement Joints—Vertical & Horizontal”. Do not cover expansion joints with mortar.

1. Installer must verify that deflection under all live, dead and impact loads of substrates does not exceed industry standards of L/600 for AMSV units or stone installations where L=span length. For exterior vertical installations over framed construction, the substrate deflection under all live, dead and impact loads, including concentrated loads, must not exceed L/600 where L=span length.

### Instructions for use with SpeedyMason Thin Brick Lath and SpeedyMason Stone Lath

#### For SpeedyMason Thin Brick Lath back-butter method.

**Mixing**– 1 12.5 lb (5.6 kg) bag

Place approximately 2.3 - 2.8 qts (2.2 -2.6 L) of clean water in a pail and slowly add the entire bag of THIN MASONRY ADHESIVE. Mix with slow speed mixer for one minute or until a creamy smooth consistency is reached. Allow to slake for 5 minutes, remix and use. Jobsite conditions might vary. Add additional water 2 oz's at a time if necessary for proper consistency.

#### Application

Start with cleaning back of thin bricks allow to dry. Then take the LATICRETE Thin Masonry Adhesive with hand trowel and spread thin coat onto back of thin brick (like spreading butter on toast). Then add a little more LATICRETE Thin Masonry Adhesive and apply consistent layer about ¼” to back of thin brick. Press

piece into SpeedyMason Thin Brick Lath with firm pressure and move back and forth to seat. Clean any excess and any smears from thin brick while wet ,with clean water and clean sponge. Allow to dry 24 hours to apply pointing mortar.

#### For both SpeedyMason Thin Brick Fill method

**Mixing**– 1 12.5 lb (5.6 kg) bag

Place approximately 2.3 - 2.8 qts (2.2 -2.6 L) of clean water in a pail and slowly add the entire bag of Thin Masonry Adhesive. Mix with slow speed mixer for one minute or until a creamy smooth consistency is reached. Allow to slake for 5 minutes, remix and use. Jobsite conditions might vary. Add additional water 2 oz's at a time if necessary for proper consistency.

#### Application

Start with cleaning back of thin bricks allow to dry. Take the LATICRETE Thin Masonry Adhesive and fill SpeedyMason Thin Brick Lath to top of ridges with flat trowel. Make sure ridges are full, with no voids and smooth. Only spread enough at a time to cover with thin brick before skinning over (approximately 7 minutes). Then press thin brick piece into SpeedyMason Thin Brick Lath with firm pressure and move back and forth to seat. Clean any smears from thin brick while wet, with clean water and clean sponge. Allow to dry 24 hours to apply pointing mortar.

#### For SpeedyMason Stone Lath back-butter method.

**Mixing**– 1 12.5 lb (5.6 kg) bag

Place approximately 2.3 - 2.8 qts (2.2 -2.6 L) of clean water in a pail and slowly add the entire bag of Thin Masonry Adhesive. Mix with slow speed mixer for one minute or until a creamy smooth consistency is reached. Allow to slake for 5 minutes, remix and use. Jobsite conditions might vary. Add additional water 2 oz's at a time if necessary for proper consistency.

#### Application

Start with cleaning back of Stone Veneer allow to dry. Then take the LATICRETE Thin Masonry Adhesive with hand trowel and spread thin coat onto back of Stone Veneer (like spreading butter on toast). Then add a little more LATICRETE Thin Masonry Adhesive and apply consistent layer about ½” to back of Stone Veneer. Press piece into SpeedyMason Stone Lath with firm pressure and move back and forth to seat. Clean any smears from stone veneer while wet, with clean water and clean sponge. Allow to dry 24 hours to apply pointing mortar, if pointing mortar is required.

#### For SpeedyMason Stone Lath fill method.

**Mixing**– 1 12.5 lb (5.6 kg) bag

Place approximately 2.3 - 2.8 qts (2.2 -2.6 L) of clean water in a pail and slowly add the entire bag of THIN MASONRY ADHESIVE. Mix with slow speed mixer for one minute or until a creamy smooth consistency is reached. Allow to slake for 5 minutes, remix and use. Jobsite conditions might vary. Add additional water 2 oz's at a time if necessary for proper consistency. Start with cleaning back of Stone Veneer allow to dry. Take the LATICRETE Thin Masonry Adhesive and fill SpeedyMason Stone Lath to top of ridges with flat trowel. Make sure ridges are full, with no voids and smooth. Only spread enough at a time to cover with thin brick before skinning over (approximately 7 minutes). Then take the LATICRETE Thin Masonry Adhesive with hand trowel and spread thin coat onto back of Stone Veneer (about ¼" thick). Press piece into SpeedyMason Stone Lath with firm pressure and move back and forth to seat. Clean any smears from stone veneer while wet, with clean water and clean sponge. Allow to dry 24 hours to apply pointing mortar, if pointing mortar is required.

### **Instructions for other surface installations**

#### **For notch trowel method**

##### **Mixing**– 1 12.5 lb (5.6 kg) bag

Place approximately 2.3 - 2.8 qts (2.2 -2.6 L) of clean water in a pail and slowly add the entire bag of THIN MASONRY ADHESIVE. Mix with slow speed mixer for one minute or until a creamy smooth consistency is reached. Allow to slake for 5 minutes, remix and use. Jobsite conditions might vary. Add additional water 2 oz's at a time if necessary for proper consistency.

#### **For Setting stone without sliding or needing spacers (hand trowel method)**

##### **Application**

##### **Hand Trowel Method**

Mixing 1 12.5 lb (5.6 kg) bag Place approximately 2.0-2.5 qts (1.9 - 2.4 L) of clean water in a pail and slowly add the entire bag of THIN MASONRY ADHESIVE. (To mix smaller quantities use 3.7 parts powder to 1 part water.) Mix with slow speed mixer for one minute or until a creamy smooth consistency is reached. Allow to slake for 5 minutes, remix and use. Jobsite conditions might vary. Start at 2.0 quarts and add 2 oz as slightly necessary for preferred or desired consistency.

For adhered masonry veneers use a hand trowel to apply a thin coat of Thin Masonry Adhesive to cover entire back of the veneer unit. Spread additional mortar onto the back of the skim coated veneer unit sufficient to completely fill the space between the veneer unit and the substrate when compressed against the substrate. Press the mortar covered back of the veneer against the

substrate at the desired final position. Slide the unit roughly 1" – 1 1/2" (25 - 38 mm) diagonally from the desired final position and back into the desired position while maintaining even pressure. This should be done in such a manner as to squeeze the mortar to fill the entire space between the veneer unit and the substrate, helping to achieve 100% coverage to both the substrate and veneer unit, allowing excess mortar to extrude on all sides around the veneer unit. Clean excess extruded mortar with trowel and spread onto the next veneer unit to be installed.

*Note: Prior to installation, ensure back of veneer units are clean of dust, laitance, loose concrete crumbs and any excess film that could impede bond.*

For adhered masonry veneer using a hand trowel to apply Thin Masonry Adhesive into the substrate thoroughly and then comb on additional mortar (trowel size is determined by substrate flatness and finished material size). Back butter all veneer units 8" x 8" (200 mm x 200 mm) or larger to provide full bedding of the veneer. Place veneer into the mortar and adjust to desired position. Clean any excess mortar between veneers or sides of stone or tile veneer.

*Note: Use proper sized notched trowel to ensure full bedding of the tile. Spread only enough mortar that can be covered with tile within 15–20 minutes. Adjust as necessary. Check mortar for complete coverage by periodically removing veneer unit and inspecting the transfer onto the back of the tile. The size and weight of the veneer will vary. Conduct a small test area for non-sag performance. Due to job site conditions and differences in finish material types; ledger boards, shims, wedges or spacers may be required to maintain finish levels and heights.*

##### **Grouting/Pointing**

Point installation after a minimum of 12–24 hours curing time at 70°F (21°C). Cooler temperatures require a longer curing time. Point with Pointing Mortar. For exterior application please consult local distributor or LATICRETE.

##### **Cleaning**

Clean tools with water. Consult with finish manufacture on cleaning of finish materials. Do not use any acids or harsh chemicals when cleaning finish veneers.

## **6. AVAILABILITY AND COST**

### **Availability**

LATICRETE materials are available worldwide.

**For Distributor Information, Call:**

Toll Free: 1.800.243.4788

Telephone: +1.203.393.0010

For on-line distributor information, visit LATICRETE at

[laticrete.com](http://laticrete.com)**Cost**

Contact a LATICRETE Distributor in your area.

**7. WARRANTY**

See 10. FILING SYSTEM:

**8. MAINTENANCE**

Non-finish LATICRETE and LATAPOXY installation materials require no maintenance but installation performance and durability may depend on properly maintaining products supplied by other manufacturers.

**9. TECHNICAL SERVICES****Technical Assistance**

Information is available by calling the LATICRETE

Technical Service Hotline:

Toll Free: 1.800.243.4788, ext. 1235

Telephone: +1.203.393.0010, ext. 1235

Fax: +1.203.393.1948

**Technical and Safety Literature**

To acquire technical and safety literature, please visit our website at [laticrete.com](http://laticrete.com).

**10. FILING SYSTEM**

Additional product information is available on our website at [laticrete.com](http://laticrete.com). The following is a list of related documents:

- DS 230.13: LATICRETE Product Warranty (United States and Canada)
- DS 230.15: LATICRETE 15 Year System Warranty For Steel or Wood Framed Exterior Facades (United States and Canada)
- DS 025.0: LATICRETE 25 Year System Limited Warranty (United States and Canada)

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