Glen-Gery Brick
An Oldcastle® Company

Glen-Gery Brick
Thin Brick Installation Guide

OVERVIEW

This guide gives you the basic overview of materials and installation guidelines for your Glen-Gery thin brick project. These guidelines do not encompass all project conditions, nor do they replace general installation knowledge. For more assistance on designing with thin veneers visit Glen-Gery Brick's website at www.glengerybrick.com

For information on LATICRETE® installation materials or warranty systems, please visit www.laticrete.com/mvis

MATERIALS

Thin Brick: Glen-Gery Thin Brick
Cement Board
Waterproofing: LATICRETE® Air and Water Barrier**
LATAPOXY® Waterproof Flashing Mortar
Thin Bed Cement Mortar: LATICRETE® Thin Brick Mortar
Pointing Mortar: LATICRETE® Masonry Pointing Mortar
100% Silicone Caulk: LATICRETE Silicone Sealant
Lath & Scratch Coat: LATICRETE® Premium Mortar Bed

OPTIONAL TOOLS

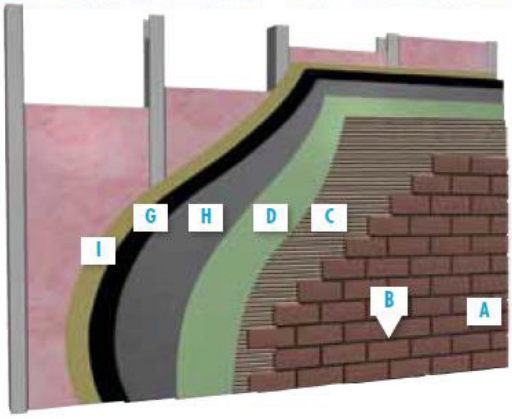
Fasteners
Seam Tape
½" Notched Trowel
"T" joint spacers
Refillable Caulk Cartridge
Tuck Point Gun
Joint Tool
4 ½" Handheld Diamond Saw
Mortar Paddle
Electric Drill
5-Gallon Pails
Sponges
Tile Saw

PREPARATIONS

Prior to commencing the installation, the contractor must examine substrates and advise the owner or general contractor of any existing conditions or surface contamination which will require correction before the work commences. All existing walls should be thoroughly examined and deemed structurally sound. Existing substrates must be cleaned to remove curing compounds and sealers, form release agents, sealers, soil, mortar, dirt, dust, etc. All rough, uneven or "out-of-plumb" surfaces must be made "plumb and true" to within 1/8" in 10' (3 mm in 3 m) and 1/16" in 1' (1.5 mm in 300 mm) using LATICRETE® Premium Mortar Bed. Do not use gypsum or asphalt underlayments. Dry or dusty concrete or masonry surfaces must be water washed and excess water removed just prior to the application of LATICRETE® underlayment, membranes and mortars.

EXTERIOR WALL

Framed wall with exterior rated sheathing – cement backer board substrate

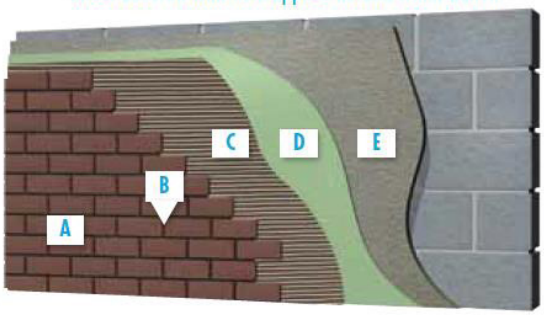


EXPANSION AND CONTROL JOINTS

Existing joints in subsurface must be carried through the thin brick work and must conform to architectural details. Expansion joints must be installed where thin brick veneer abuts restraining surfaces, such as perimeter walls, curbs, columns, corners, etc. Expansion joints must be installed at all "changes of plane" in the thin brick work. Use LATICRETE® Latasil 100% silicone color match caulk.

EXTERIOR WALL

Concrete Masonry Unit (CMU) wall with skim coat – Direct adhered with fluid applied air and water barrier



INSTALLATION OF CEMENT BOARD

Install cement board by fastening with screws at existing stud locations using fasteners in accordance with local code requirements.

LEGEND

A. Glen-Gery Thin Brick
B. Laticrete Masonry Pointing Mortar
C. Laticrete Thin Brick Mortar (for adhesion)
D. Laticrete Air & Water Barrier
E. Laticrete Thin Brick Mortar (Skim coat)
H. ½" thick Cement Board
I/G. Exterior Rated Sheathing (OSB, Plywood, Gypsum Sheathing)

INSTALLATION OF AIR AND WATER BARRIER

Install air, weather and/or water barrier to approved substrates according to the manufacturer's instructions on all exterior façade substrates before thin brick is installed. If a WRB slip sheet is used in design, this material should be installed over the primary sheathing behind the wire lath.

Inspect substrate for any protrusions that may interfere with or compromise the adhesion of the LATICRETE® Air & Water Barrier. Pack any gaps around pipes, lights or other penetrations with backer rod and then apply LATICRETE LATAPOXY Waterproof Flashing Mortar and allow to cure. Apple LATICRETE® Air & Water Barrier to the surface. Dampen hot, dry surfaces and sponge off excess water – installation may be made on a damp surface. Allow any pre-treated areas to dry to the touch. Apply a liberal coat of LATICRETE® Air & Water Barrier using a paint roller (heavy napped) or paint brush over substrate including pre-treated areas and allow to dry to the touch. Apply a second liberal coat of LATICRETE® Air & Water Barrier over the first coat of LATICRETE® Air & Water Barrier. Let topcoat dry to the touch, approximately 1-2 hours at 70°F (21°C) and 50% RH. When last coat has dried to the touch, inspect final surface for pinholes, voids, thin spots or other defects and re-apply as necessary. LATICRETE® Air & Water Barrier will dry to a uniform olive green color when it's dry to touch. Bring main application of LATICRETE® Air & Water Barrier up to all penetrations though the membrane. For complete instructions refer to LATICRETE DS-661.5-0312.

INSTALLATION OF THIN BRICK VENEER BY THE THIN BED METHODS

Mix all LATICRETE materials according to printed product instructions included with each product package. Mix only long enough to wet out the batch. Do not over-mix. Apply the thin bed mortar to the substrate with scraping motion, using the flat side of the notched trowel. Key the thin bed mortar into good contract with the substrate. A trowel with notches large enough to ensure full coverage and support of the thin brick is required. Using the notched side of the trowel, comb the thin bed mortar in one direction. Firmly press the thin brick units into the fresh thin bed mortar and move them perpendicularly across the ridges to flatten and compress the ridges. This helps to produce maximum coverage to the backs of the thin brick and leave the corners and edges fully supported. Do not apply more thin bed mortar than can be covered within 10-15 minutes, or while thin bed mortar is still wet and tacky. Periodically, remove and check pieces of the thin brick veneer to verify 100% mortar coverage is being achieved. Excess thin bed mortar must be cleaned from brick surfaces with a clean, wet cloth or sponge, while it is still fresh. Allow the thin brick installation to set for 24 hours at 70° F (21°C), prior to pointing.

POINTING JOINTS

Mortar joints must be packed full and free of all voids and pits. Excess pointing mortar must be cleaned from the surface of the thin brick as the work progresses, while the mortar is fresh and before it hardens. Pointing can be done using grout bag or electric tuck point gun. Tool joints with concave jointing tool. The day after installation cement pointing mortar film or haze must be removed using a neutral Ph detergent solution.

PROTECTION

The contractor must take precautions to protect the finished work from damage by other trades. Do not allow construction debris on fresh mortar joints. Allow the cement pointing mortar to cure for a minimum of 7 days at 70°F (21°C) before exposure to rain. The curing of latex and Portland cement based materials is retarded by low temperatures and finished work should be protected for an extended period of time. Typically, for every 18°F below 70°F (10°C below 21°C), latex and Portland cement based materials take twice as long to cure.

15 YEAR** MVIS Warranty

25 YEAR* Warranty

NOTES TO SPECIFIER

LATICRETE "System" approach to installation is covered by a comprehensive 25 year warranty (Reference LATICRETE DS025.0SPD) for all interior installations, as well as exterior installations over non-framed wall construction. A 15 year warranty (Reference LATICRETE DS230.15SPD) applies to all exterior applications over steel and wood framed walls.

NOTE TO REMODELER

Brick veneers, mortars, and grouts do not provide a completely waterproof barrier. Verify that existing weather or water proofing is undamaged and integrated. If additional waterproofing is needed install LATICRETE® Air and Water Barrier over all exterior façade substrates that will receive thin brick installations.

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