



Master Wall Inc.®
Building a Culture of Excellence

LiMa M420 LIGHT MASONRY WALL SYSTEM

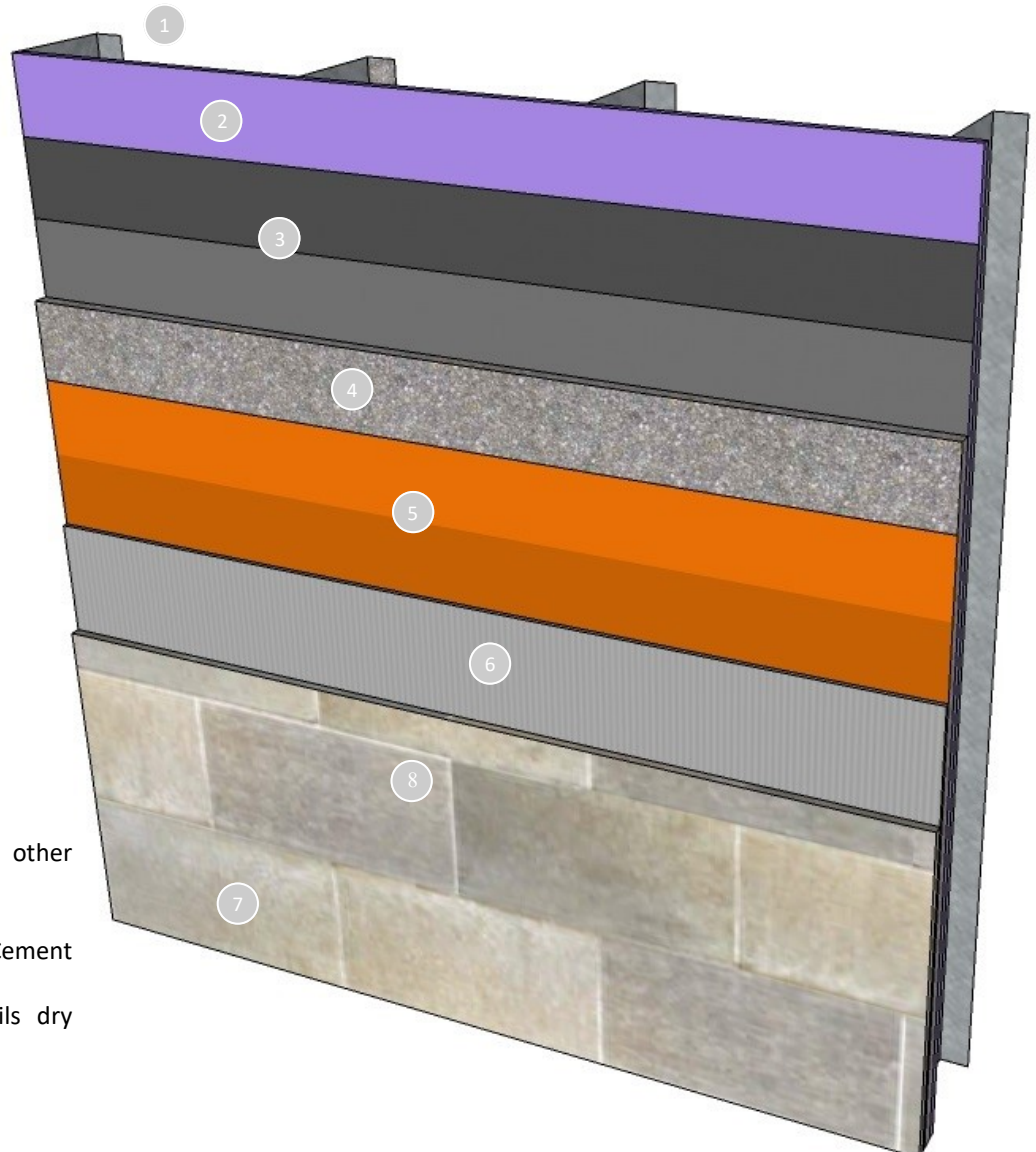
The LiMa M420 thin brick and stone system is a durable, lightweight wall cladding with excellent water holdout.

It features our Rollershield air and water barrier product that is either rolled, sprayed or troweled in place. With any method, the product offers excellent water holdout capabilities compared to a sheet good and has class-leading air sealing capability.

The UltraBond adhesive has class leading slump resistance and cures quickly to quickly get your wall system in service.

Features & Benefits

- 20-year limited warranty
- Rollershield options
 - Rollershield-RS, vapor open roll grade
 - Rollershield-TG, vapor open trowel grade
 - Rollershield-VB vapor closed roll grade
- Quality products with great durability



1. Metal Framing
2. ASTM C1177 glass mat or other approved sheathing
3. Water Barriers
4. 1/2" or 5/8" PermaBase® Cement Board
5. Rollershield (2 coats or 22 mils dry thickness)
6. UltraBond Adhesive
7. Thin Brick or Stone (by others)
8. Mortar (by others)

Short Form Specification

1.0 General

This is a specification for the application of a Master Wall® Light Masonry (LiMa) application over metal framing and ASTM C1177 exterior gypsum sheathing.

1.1 System Description

The Master Wall® LiMa M420 is a light masonry stone or thin brick application over cement board and weather resistive barriers. It uses two coats of SuperiorShield Rollershield as the air and water barrier over the cement board with UltraBond as the adhesive for ICC-ES AC51 compliant stone or thin brick with mortar.

1.2 Design Requirements:

- A. Reference Master Wall® suggested details and architectural drawings for specific detail requirements.
- B. Slope all surfaces a minimum of 1:2 (6" in 12") to shed water, maximum 12" (305 mm) wide.
- C. Maximum deflection of substrates shall not exceed L/360.
- D. Typical acceptable substrates include CDX exterior grade plywood, Exposure 1 Oriented Strand Board (OSB).
- E. Expansion joints are required in the cladding at building expansion joints, panel joints, floor lines in wood framed construction, and other areas where significant movement occurs.

1.3 Quality Assurance

- A. The Rollershield air/water barrier shall be recognized in IAPMO ER-0384.
- B. SuperiorShield product bulletins, application instructions and details.
- C. The weather resistive barrier shall be as recognized in the applicable building code or recognized alternative.
- D. National Gypsum PermaBase® installation instructions and code report.

1.4 Job Conditions

- A. Store all materials protected from weather and direct sunlight at temperatures above 40°F (5°C).
- B. The ambient and wall temperature shall be a minimum of 40°F (5°C) and shall remain so for at least 24 hours after installation.

1.5 Warranty

- A. Application shall include a 20-year limited warranty, please reference the LiMa Warranty Program Limited Warranty.

2.0 Products

All components of the LiMa application shall be manufactured by Master Wall® and supplied by an authorized distributor.

- 2.1 Cement Board: National Gypsum PermaBase® in 1/2" (12.7 mm) or 5/8" (15.9 mm) thickness or PermaBase® CI along with recommended fasteners.
- 2.2 SuperiorShield Water Barrier & Flashing Tapes:
 - A. SuperiorShield Rollershield RS: A 100% pure acrylic-based roll-applied weather-resistive barrier.
 - B. SuperiorShield Rollershield TG: A 100% pure acrylic-based trowel grade water-resistive barrier.
 - C. SuperiorShield Rollershield VB: Acrylic-based vapor barrier water resistive barrier.
 - D. SuperiorShield Flashing Tape: A lightweight nonwoven joint treatment material.
 - E. SuperiorShield Mesh Tape: A lightweight joint treatment material.
 - F. SuperiorFlash: A single-component fluid applied flashing.
- 2.3 Master Wall® Stone/Thin Brick Adhesive: UltraBond, A ready to use dry base adhesive that is field mixed with water.

3.0 Installation

- 3.1 Inspect the substrate to ensure that it is free of all foreign materials that would affect later work.
- 3.2 Install weather resistive barriers in accordance with building code requirements.
- 3.3 Attach cement board to framing members using approved fasteners at a minimum of 8" (20 cm) centers.
- 3.4 Apply the Rollershield products in accordance with the product data sheets, minimum two coats or a single coating with a dry mil thickness of at least 22 mils.
- 3.5 Adhere ICC-ES AC51-compliant stone or thin brick using UltraBond, mixed following data sheet instructions. Allow to cure before proceeding with mortar application.
- 3.6 Mortar with approved mortar, mixed with water following data sheet instructions. Place in joints using a grout bag or similar device and rake/tool when thumb print hard.
- 3.7 Allow the wall system to cure and protect from weather for at least 72 hours before placing in service.

Information contained in this product data sheet conforms to the standard detail recommendations and specifications for the installation of Master Wall Inc.® products and is presented in good faith. Master Wall Inc.® assumes no liability, expressed or implied as to the architecture, engineering, or workmanship of any project. This information may be concurrent with, or superseded by other applicable documents, such as specifications and details. Contact Master Wall Inc.® for the most current product information. ©2025 Master Wall Inc.®

