

## LiMa i310TV Light Masonry Wall System

The LiMa i310TV thin brick and stone system is an insulated cladding system.

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.

CIFS® Brick Mortar is available in four colors and mixes easily.

### Features & Benefits

- 10-year limited warranty
- Extremely low air infiltration properties
- Rollershield seals around nail holes
- Rollershield options
  - Rollershield-RS, vapor open roll grade
  - Rollershield-TG, vapor open trowel grade
  - Rollershield-VB vapor closed roll grade
- Follows Rollershield Drainage CIFS® application process with brick or stone cladding



1. Wood or Metal Framing
2. Approved Substrate
3. Rollershield  
(2 coats or 22 mils dry thickness)
4. Vertical Adhesive Drainage Channel
5. Master Wall® Insulation Board
6. Master Wall® Base Coat
7. Master Wall® Mesh
8. Master Wall® Base Coat
9. Fasteners at Framing Members
10. UltraBond Adhesive
11. Thin Brick or Stone
12. CIFS® Brick Mortar

## LiMa i310TV Light Masonry Wall System

### LiMai310TV Specification

#### Section 04 70 00

##### 1.0 General

This is a specification for the application of a Master Wall<sup>®</sup> Rollershield Drainage CIFS<sup>®</sup> with Light Masonry (LiMa) application over wood or metal framing and approved substrates. This system is limited to lower floor levels below 40' in height and/or Type V construction.

##### 1.1 System Description

The Master Wall<sup>®</sup> LiMai310TV is a light masonry stone or thin brick application over a Rollershield Drainage CIFS<sup>®</sup> application. It uses two coats of SuperiorShield Rollershield as the air and water barrier with either F&M or MBB as the adhesive for the insulation board, to embed mesh. UltraBond adheres the ICC-ES AC51 compliant stone or thin brick with CIFS<sup>®</sup> Brick Mortar.

##### 1.2 Design Requirements:

- A. Reference Master Wall<sup>®</sup> 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" (305mm) wide.
- C. Maximum deflection of substrates shall not exceed L/600.
- D. Typical acceptable substrates include CDX exterior grade plywood, Exposure 1 Oriented Strand Board (OSB), ASTM C1177 exterior gypsum sheathing, concrete, masonry or other approved substrates noted on the Rollershield-RS data sheet.
- 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. Rollershield Drainage CIFS<sup>®</sup> product bulletins, application instructions and attachment methods.

##### 1.4 Job Conditions

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

##### 1.5 Warranty

- A. Application shall include a 10-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<sup>®</sup> and supplied by an authorized distributor.

##### 2.1 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.

##### 2.2 Master Wall<sup>®</sup> Insulation Adhesive: Foam & Mesh (F&M) or Master Wall Bagged Base (MBB) adhesive.

##### 2.3 Master Wall<sup>®</sup> Insulation Board:

- A. ASTM C578, Type I Insulation Board.
- B. Other insulation board types as referenced in Rollershield Drainage CIFS<sup>®</sup> applications.

##### 2.4 Master Wall<sup>®</sup> Mesh:

- A. Standard Mesh.
- B. Other mesh types as referenced in Rollershield Drainage CIFS<sup>®</sup> applications.

##### 2.5 Support Fasteners and Plates:

- A. Wind-Lock<sup>™</sup> climate treated fasteners with Lath Lock plates or approved equal. Size fasteners for insulation and sheathing thickness and of type appropriate for the material being fastened to.

##### 2.6 Master Wall<sup>®</sup> Base Coat: Foam & Mesh (F&M) or Master Wall Bagged Base (MBB) base coat.

##### 2.7 Master Wall<sup>®</sup> Stone/Thin Brick Adhesive: UltraBond, A ready to use dry base adhesive that is field mixed with water.

##### 2.8 CIFS<sup>®</sup> Brick Mortar: A ready to use dry base mortar 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 the adhesion of the Rollershield air and water barrier. Follow Rollershield Drainage CIFS<sup>®</sup> specification and details for the application and as outlined below.

3.2 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.

3.3 Backwrap insulation board as required in the Rollershield Drainage CIFS detailing and flash as required.

3.4 Adhere the insulation board to the Rollershield using a vertical notched adhesive application method, following data sheet and Rollershield Drainage CIFS<sup>®</sup> application methods but using Foam & Mesh (F&M) or Master Wall Bagged Base (MBB) as the adhesive. Allow to cure at least 8 hours before proceeding with the application.

3.5 Lightly rasp the insulation board.

3.6 Apply wet F&M or MBB to the insulation board surface with a stainless-steel trowel approximately 1/16" (1.6 mm) thick and immediately embed mesh into the wet base coat. Lap mesh 2-1/2" (63.5 mm) minimum on all sides per typical system recommendations. Trowel smooth so that no mesh color is visible. Allow to cure at least 8 hours before proceeding with the application.

3.7 Attach Lath Lock plates with fasteners through the dried base coat and into framing members. Fasten along framing members every 36" (91 cm) vertically and within 6" of wall tops.

3.8 Adhere ICC-ES AC51-compliant stone or thin brick using UltraBond, mixed following data sheet instructions. Allow to cure before proceeding with mortar application.

3.9 Mortar with CIFS<sup>®</sup> Brick 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.

3.10 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.<sup>®</sup> products and is presented in good faith. Master Wall Inc.<sup>®</sup> 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.<sup>®</sup> for the most current

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