

LiMa M220 Light Masonry Wall System

The LiMa M220 thin brick and stone system is an economical, lightweight wall cladding for commercial projects.

It features sheet type water barriers and reinforced Cemplaster Fiberstucco for an economical installation.

Our Rollershield air and water barrier product is either rolled, sprayed or troweled in place to provide weather protection.

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

- 20-year limited warranty
- Durable Cemplaster Fiberstucco mortar bed
- 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 other approved sheathing
3. Water Barriers
4. 2.5#/sy Self-furring Metal Lath
5. Cemplaster Fiberstucco leveling coat
6. Rollershield (2 coats or 22 mils dry thickness)
7. UltraBond Adhesive
8. Thin Brick or Stone
9. CIFS® Brick Mortar

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LiMaM220 Specification

Section 04 70 00

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[®] LiMaM220 is a light masonry stone or thin brick application over a sheathing with two water barriers, a leveling coat of scratch coat of Master Wall[®] Cemplaster Fiberstucco. Two coats of SuperiorShield Rollershield is applied over the stucco with UltraBond as the adhesive for ICC-ES AC51 compliant stone or thin brick with CIFS[®] Brick 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" (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).
- 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. Cemplaster Fiberstucco product bulletins, application instructions and attachment methods.

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 Master Wall[®] Cemplaster Fiberstucco with 2.5 #/sy self-furring metal lath reinforcement:

- A. Cemplaster or Ready Cemplaster Fiberstucco and related components.
- B. 2.5 #/sy self-furring metal lath complying with ASTM C847.
- C. Appropriate fasteners as noted in the Cemplaster Fiberstucco specifications.

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.

2.4 CIFS[®] 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 application of the weather resistive barrier.
- 3.2 Install weather resistive barrier in accordance with building code requirements. Two layers or approved equivalent products.
- 3.3 Mechanically attach lath to the framing members at 6" (15 cm) centers. Lap lath in accordance with Master Wall Instructions and terminate base into a weep screed placed at least 1" over foundation and 4" minimum above grade, flash in accordance with Cemplaster Fiberstucco instructions.
- 3.4 Apply a minimum 3/8" coat of Cemplaster Fiberstucco, embedding it completely into the metal lath. Finish surface flat with no exposed lath and allow to cure for at least 3-5 days until the surface is hard and dry.
- 3.5 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.
- 3.6 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.
- 3.7 Adhere ICC-ES AC51-compliant stone or thin brick using UltraBond, mixed following data sheet instructions. Allow to cure before proceeding with mortar application.
- 3.8 Mortar with CIFS[®] 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.
- 3.9 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. ©2020 Master Wall Inc.[®]



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