

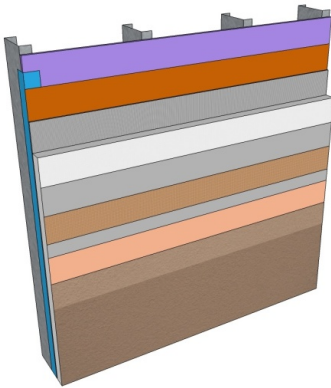


Rollershield Drainage CIFS® – Continuously Insulated Section 07 24 19



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Master Wall Guide Specification RDCIFS16 Rollershield Drainage CIFS® 16 Assembly



Rollershield Drainage CIFS® 16

- Rollershield Air/Water Barrier
- SuperiorFlash at openings and penetrations
- Master Wall "Plus" Adhesive
- Master Wall Insulation Board
- H-Tech Reinforcing Mesh minimum
- Master Wall "Plus" Base Coat
- Primecoat Primer
- Superior Finish
- Clearshield sealer

Rollershield Drainage CIFS® 16 **16-year Limited Warranty**

1.0 General

This is a short form specification. Refer to Rollershield Drainage CIFS® specifications and details for additional information.

1.1 System Description

The Master Wall® Rollershield Drainage Continuously Insulated Finish System (CIFS®) is a Class PB (Polymer Based) EIF System consisting of a roll-applied water barrier, vertical channel adhesive attachment, insulation board, reinforcing mesh and a textured finish.

1.2 Design Requirements:

- Reference Master Wall® suggested details and architectural drawings for specific detail requirements.
- Slope all surfaces a minimum of 1:2 (6" in 12") to shed water, maximum 12" (305mm) wide.
- Maximum deflection of substrates shall not exceed L/240.
- Typical acceptable substrates include unpainted brick, masonry, concrete, Portland cement plaster (stucco), exterior grade gypsum sheathing (ASTM C1396), Glass Fiber Sheathing (ASTM C1177), CDX exterior grade plywood, Exposure 1 Oriented Strand Board (OSB).
- 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

- The Rollershield Drainage System shall be recognized by local building codes.
- The system shall meet or exceed ASTM C1397 and detailed in accordance with ASTM E2511.
- The system shall have been tested for fire performance in accordance with ASTM E108, ASTM E-84, NFPA 265, and NFPA 268.
- The system shall have been tested for drainage performance in accordance with ASTM E331.

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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. Master Wall Rollershield Drainage CIFS® 16-year limited warranty.

2.0 Products

All components of the Rollershield Drainage System shall be manufactured by Master Wall® and supplied by an authorized distributor.

A. SuperiorShield Water Barrier & Flashing Tapes:

SuperiorShield Rollershield (RS): A 100% pure acrylic-based roll-applied weather-resistive barrier.

SuperiorShield Trowel Grade (TG): A 100% pure acrylic-based trowel grade water-resistive barrier.

SuperiorShield Flashing Tape: A lightweight nonwoven joint treatment material.

SuperiorShield SuperiorFlash: Single-component STPE Flashing.

B. Master Wall Adhesives:

1. Foam & Mesh Plus Adhesive (F&M Plus): A 100% pure acrylic-based adhesive that is field mixed with Portland cement.

2. Master Wall® Bagged Base Plus (MBB Plus): A ready to use dry base that is field mixed with water.

C. Insulation Boards: Master Wall® Insulation Board.

D. Aggre-flex Mesh: Available in Standard, Detail, Hi-Tech, Medium, Strong and Ultra. Minimum Hi-Tech Mesh required for wall surfaces for the CIFS® 16 System.

E. Master Wall Base Coats:

1. Foam & Mesh Adhesive (F&M), F&M Plus.

2. Master Wall® Bagged Base (MBB), MBB Plus.

F. Primecoat: 100% pure acrylic primer.

G. Superior Finish: 100% pure acrylic formulation with integral color and texture. Perfect Swirl 2.0, Fine Sand 1.0, Medium Sand 1.5, Versatex 0.5 textures.

H. Protective Sealer: Clearshield protective sealer.

3.0 Installation

A. Inspect the substrate to ensure that it is free of all foreign materials that would affect the adhesion of the Rollershield Drainage CIFS® System.

B. Apply SuperiorFlash in and around window and door openings along with all other penetrations in the system as shown in Master Wall® product data sheets.

C. Apply the system in strict accordance with Master Wall® specifications, product data sheets, architectural drawings and architectural specifications using the products noted above.

Disclaimer

This Specification is published for general informational purposes only and is not intended to imply that these are the only materials, procedures, or methods, which are available or suitable. Materials, procedures, or methods may vary according to the particular circumstances, local building code requirements, design conditions, or statutory and regulatory requirements. While the information in this specification is believed to be accurate and reliable, it is presented without guarantee or responsibility on the part of Master Wall Inc.®