



QRW1 Drainage EIFS

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Class PI Drainage Exterior Insulation and Finish System

Features & Benefits

- 98% Drainage Efficiency
- High Insulating Value (R-5 per inch)
- Easy Application

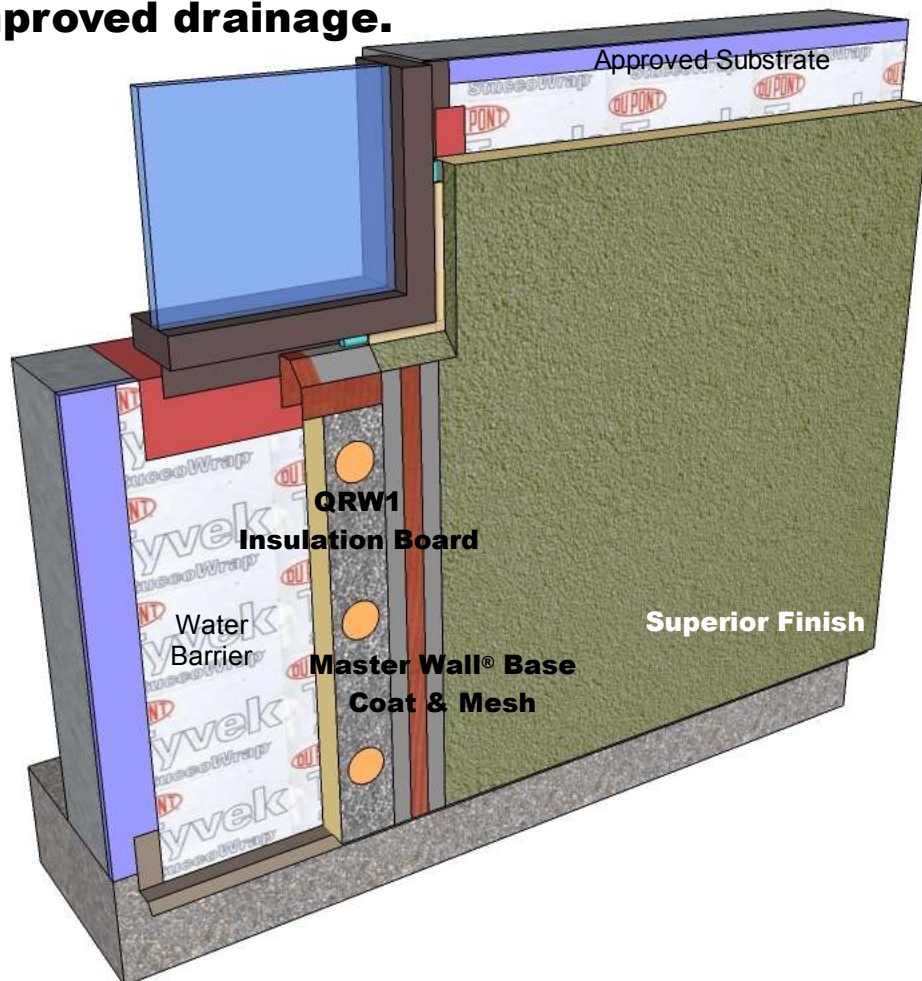
System Use

- Commercial
- Residential

Attachment Method

- Mechanical

Master Wall Inc.® QRW1 System is a durable drainage system made for residential & light commercial construction. Its large insulation boards install easily and quickly over an approved water barrier. QRW1 may also use optional vent spacers or drainage mats for improved drainage.



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Short Form Specification

1.0 General

This is a short form specification. Refer to QRW1 Drainage specifications and details for additional information.

1.1 System Description

The Master Wall Inc.® QRW1 Drainage Exterior Insulation and Finish System (EIFS) is a Class PI EIF System consisting of mechanical attachment, insulation board, reinforcing mesh and a textured finish.

1.2 Design Requirements:

- A. Reference Master Wall Inc.® 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/240.
- D. Typical acceptable substrates include painted or unpainted brick, unit masonry, concrete, stucco brown coat, exterior grade gypsum sheathing (ASTM C1396), Dens Glass Gold® (ASTM C1177), CDX exterior grade plywood, Exposure 1 Oriented Strand Board (OSB). Contact Master Wall® for other approved substrates.
- E. A code-approved weather-resistive barrier is required over the substrate.
- F. Expansion joints are required at building expansion joints, panel joints, floor lines in wood framed construction, and other areas where significant movement occurs.
- G. Control joints are required to be located by the designer. Reference Master Wall® specifications for specific recommendations.
- H. Detail and install trim accessories according to the approved trim manufacturer's requirements (Plastic Components, Vinyl Corp. or approved equal).

1.3 Quality Assurance

- A. The system shall be tested for: Accelerated weathering, mildew resistance, salt spray resistance and structural performance.
- B. The system shall have been tested for fire performance in accordance with ASTM E84.

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.

2.0 Products

All components of the QRW1 Drainage System shall be manufactured by Master Wall Inc.® and supplied by an authorized distributor.

- A. Master Wall® Approved Fasteners: Wind-Lock ULP-402 washer and appropriate fastener or approved equal.
- B. Polyisocyanurate Insulation Board: Thermax Quik-R by Dow or Stucco Shield II by Atlas Energy Products Division or Master Wall Inc.® approved equal.
- C. Aggre-flex Mesh: Available in Standard, Detail, Hi-Tech, Medium, Strong and Ultra.
- D. Master Wall® Base Coats:
 1. Foam & Mesh Adhesive (F&M), F&M Plus: A 100% pure acrylic-based adhesive that is field mixed with Portland cement.
 2. Master Wall Bagged Base (MBB), MBB Plus: A ready to use dry base that is field mixed with water.
 3. Guardian: A waterproof 100% pure acrylic-based fiber reinforced adhesive that is field mixed with Portland cement.
- E. Superior Finish: 100% pure acrylic formulation with integral color and texture. Perfect, Spray, Desert Sand, R-Coarse and Refinish textures.
- F. Specialty Finishes: Specialty finish blends of natural and man-made decorative specialty finishes and accents.
- G. Master Wall® Coatings:
 1. Primecoat: A water-based primer.
 2. Sanded Primecoat: Sanded water-based primer.
 3. Roller-flex: A water-based architectural finish coating.

3.0 Installation

- A. Inspect the substrate to ensure that it is free of all foreign materials that would affect the application of the QRW1 Drainage System.
- B. Apply the system in strict accordance with Master Wall® specifications, product data sheets, architectural drawings and architectural specifications.

We finish strong.

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. ©2016 Master Wall Inc.®

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