





www.icc-es.org | (800) 423-6587 | (562) 699-0543

A Subsidiary of the International Code Council®

## ICC-ES Listing Report ESL-1651

Issued April 2025 This listing is subject to renewal April 2026.

CSI: DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION Section: 07 24 00—Exterior Insulation and Finish Systems

> DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION Section: 07 24 19—Water-Drainage Exterior Insulation and Finish Systems

#### **Product Certification System:**

The ICC-ES product-certification system includes evaluated evidence in support of test data in accordance with the standard(s) listed below. The system also involves factory inspections, and assessment and surveillance of the listee's quality system.

Product: MASTER WALL® ROLLERSHIELD DRAINAGE CIFS® CLASS PB EIFS

Listee: MASTER WALL, INC.®

# **Evaluation:** Master Wall<sup>®</sup> Rollershield Drainage CIFS<sup>®</sup> Class PB EIFS was evaluated, as a component in a wall assembly described in ICC-ES Design No. TMP-1651-01, based on testing in accordance with the following standard:

- NFPA 285-12, Standard Fire Test Method for the Evaluation of Fire Propagation Characteristics of Exterior Non-Load-Bearing Wall Assemblies Containing Combustible Components, National Fire Protection Association.
- **Findings:** Evaluation of Master Wall<sup>®</sup> Rollershield Drainage CIFS<sup>®</sup> Class PB EIFS, as a component of the wall assembly, is based on testing in accordance with the applicable test method as referenced in each ICC Design No. and as a result from the recognized standard indicated above. Relevant code sections where the standard is referenced are listed below. Approval of the product's use and all other relevant code sections is the sole responsibility of the local code (building) official.
  - 2018 International Building Code<sup>®</sup> (IBC) Applicable Section: 2603.5.5
  - 2018 International Residential Code<sup>®</sup> (IRC) Applicable Section: R301.1.3

#### Identification:

- 1. The ICC-ES mark of conformity, electronic labeling, the listing report number (ICC-ES ESL-1651), and when applicable, the ICC-ES Listing Mark, along with the name, registered trademark, or registered logo of the listee must be included in the product label.
- 2. In addition, each container or package of coating and reinforcing mesh used as part of the Master Wall<sup>®</sup> Rollershield Drainage CIFS<sup>®</sup> Class PB EIFS must be labeled with the manufacturer's name (Master Wall, Inc.<sup>®</sup>) and address; the product name; lot or batch number; quantity of material; storage instructions; pot life; and the expiration date.

The foam plastic insulation boards must be labeled in accordance with the current ICC-ES evaluation report in which it is recognized, or in accordance with IBC Section 2603.2 or IRC Section R316.2, as applicable.

Master Wall<sup>®</sup> UltraBond adhesive must be labeled with the Master Wall Inc. company name and product name designation.

Listings are not to be construed as representing aesthetics or any other attributes not specifically addressed, nor are they to be construed as an endorsement of the subject of the listing or a recommendation for its use. There is no warranty by ICC Evaluation Service, LLC, express or implied, as to any finding or other matter in this listing, or as to any product covered by the listing.



3. The report holder's contact information is the following:

MASTER WALL, INC. P.O. BOX 397 FORTSON, GEORGIA 31808 (800) 755-0825 <u>www.masterwall.com</u> <u>customerservice@masterwall.com</u>

**Installation:** The products and systems must be installed in accordance with the manufacturer's published installation instructions in compliance with the associated design listing and with all applicable codes.

#### Conditions of Listing:

- 1. The listing addresses only conformance with the standards and code sections noted above.
- 2. Approval of the product's use is the sole responsibility of the local code official.
- 3. The listing applies only to the materials tested and as submitted for review by ICC-ES.
- 4. Installation must be by contractors recognized by Master Wall, Inc.
- 5. Master Wall<sup>®</sup> Rollershield Drainage CIFS<sup>®</sup> Class PB EIFS components are manufactured under a quality control program with inspections by ICC-ES.



### ICC Design No. TMP-1651-01

**ESL-1651** Issued April 2025 This listing is subject to renewal April 2026.

www.icc-es.org | (800) 423-6587 | (562) 699-0543

A Subsidiary of the International Code Council®

Applicant: MASTER WALL, INC.®

Product: MASTER WALL® ROLLERSHIELD DRAINAGE CIFS® CLASS PB EIFS

Standard: NFPA 285

TMP = Thermal and Moisture Protection





Listings are not to be construed as representing aesthetics or any other attributes not specifically addressed, nor are they to be construed as an endorsement of the subject of the listing or a recommendation for its use. There is no warranty by ICC Evaluation Service, LLC, express or implied, as to any finding or other matter in this listing, or as to any product covered by the listing.



#### COMPONENTS OF CONSTRUCTION:

#### TABLE 1 – FOR COMPLIANCE WITH NFPA 285-12 ICC-ES DESIGN NO. TMP-1651-01

ITEM NO.	WALL COMPONENTS	MATERIALS
1	Base Wall System—	Cold-Formed Steel Studs (3 $^{5}/_{8}$ -inch deep, minimum 18-gauge thick, spaced maximum 24 inches on center, laterally braced every 4 feet vertically) with one (1) layer of minimum $^{5}/_{8}$ -inch thick Type X gypsum wallboard, complying with ASTM C1396, installed horizontally on the interior side of the stud wall and secured using 1 $^{1}/_{4}$ -inch long No. 6 self-drilling screws spaced at 8 inches on center along the perimeter and 12 inches on center in the field of the gypsum wallboard. All sheathing edge joints must be treated with nominal 2-inch (50.8 mm) wide paper tape and level 2 finish joint compound. All fastener heads must be covered with two layers of joint compound.
2	Floorline Firestopping (Not Shown)—	Noncombustible mineral wool safing (minimum 4-inch thick, minimum density of 4.0 lbs./ft <sup>3</sup> ) must be installed in each stud cavity and at each floorline. Mineral wool to be attached with z-clips or friction-fit (compressed a minimum of 25 percent) into each stud cavity. The depth of the insulation must match the stud cavity depth.
3	Base Wall Cavity Insulation (Not Shown)— Use either A, B, or	<ul> <li>A — None</li> <li>B — Fiberglass batt insulation, Class A (faced or unfaced) complying with applicable code.<sup>1</sup></li> <li>C — Noncombustible mineral wool insulation (faced or unfaced) complying with applicable code.<sup>1</sup></li> </ul>
4	Exterior Sheathing —	One (1) layer of nominal ${}^{5}/_{8}$ -inch Type X gypsum sheathing, complying with ASTM C1177, installed horizontally, and secured directly to the framing on the exterior side of the stud wall using 1 ${}^{1}/_{4}$ -inch long No. 6 self-drilling screws spaced at 8 inches on center along the perimeter and 12 inches on center in the field of the gypsum sheathing.
5	Exterior Insulation and Finish System (EIFS)—	Master Wall <sup>®</sup> Rollershield Drainage CIFS <sup>®</sup> Class PB EIFS must incorporate construction features A through C, as well as a Finish Layer (Exterior Wall Covering) as detailed in Item No. 6:
	Use C1 if 6A Exterior Wall Covering. Use C2 if 6B or 6C Exterior Wall Covering.	A — Water-Resistive Barrier (WRB) – Master Wall <sup>®</sup> Rollershield Water Barrier must first be applied to sheathing joints and fastener locations. Sheathing joints must be treated by applying a thin layer of Rollershield Water Barrier to the joints and embedding 4-inch wide Master Wall <sup>®</sup> Rollershield Flashing Tape into the thin layer. Rollershield Water Barrier must be applied to the entire wall at a nominal 15 mil wet thickness. Application of Rollershield Water Barrier and Rollershield Flashing Tape must be in accordance with the manufacturer's published installation instructions. <sup>2</sup>
		B — Insulation Boards & Attachment Method <sup>3</sup> – Maximum 4-inch thick expanded polystyrene (EPS) insulation boards are adhered to the exterior sheathing with Master Wall <sup>®</sup> F&M (Foam & Mesh) Adhesive in accordance with the manufacturer's published installation instructions. The adhesive mixture must be applied directly to the back of the insulation board using a <sup>3</sup> / <sub>8</sub> -inch by <sup>1</sup> / <sub>2</sub> -inch by 1 <sup>1</sup> / <sub>2</sub> -inch notched trowel so that the entire back of the insulation board has <sup>3</sup> / <sub>8</sub> -inch full beads forming vertical drainage grooves.
		C1 — Base Coat and Standard Grade Reinforcing Mesh – Master Wall <sup>®</sup> F&M (Foam & Mesh) Basecoat must be applied over the entire insulation board surface to a nominal thickness of <sup>1</sup> / <sub>16</sub> -inch. Standard Grade (4.5 oz/yd <sup>2</sup> ) Master Wall <sup>®</sup> Aggre-flex Mesh, applied vertically with minimum 2 <sup>1</sup> / <sub>2</sub> -inch overlap at mesh joints, must be embedded in the basecoat and smooth over with additional Master Wall <sup>®</sup> F&M (Foam & Mesh) Basecoat in accordance with the manufacturer's published installation instructions. The basecoat and mesh layer must also be applied to exposed insulation board surfaces at openings.
		C2 — Base Coat and Medium Grade Reinforcing Mesh – Master Wall <sup>®</sup> F&M (Foam & Mesh) Basecoat must be applied over the entire insulation board surface to a nominal thickness of <sup>1</sup> / <sub>16</sub> -inch. Medium Grade (12.0 oz/yd <sup>2</sup> ) Master Wall <sup>®</sup> Aggre-flex Mesh, applied vertically with minimum 2 <sup>1</sup> / <sub>2</sub> -inch overlap at mesh joints, must be embedded in the basecoat and smooth over with additional Master Wall <sup>®</sup> F&M (Foam & Mesh) Basecoat in accordance with the manufacturer's published installation instructions. The basecoat and mesh layer must also be applied to exposed insulation board surfaces at openings.
6	Exterior Wall Covering <sup>4</sup> — Use either A, B, or C	A — Finish Coat – Master Wall <sup>®</sup> Superior Finish, as the finish coat layer, must be applied over the entire exterior surface in accordance with the manufacturer's published installation instructions.
		B — Thin Brick – Minimum <sup>9</sup> / <sub>16</sub> -inch thick (maximum veneer weight of 5 psf), thin brick complying with ASTM C1088, adhered to the exterior surface of the exterior insulation board using Master Wall <sup>®</sup> UltraBond Veneer Mortar Adhesive applied in accordance with the manufacturer's published installation instructions.
		C — Manufactured Stone Masonry Veneer – Minimum 1 <sup>3</sup> / <sub>8</sub> -inch thick (maximum veneer weight of 9.3 psf), manufactured stone masonry veneer complying with ICC-ES AC51 (Acceptance Criteria for Adhered Manufactured Stone Masonry Veneer), adhered to the exterior surface of the exterior insulation board using Master Wall <sup>®</sup> UltraBond Veneer Mortar Adhesive applied in accordance with the manufacturer's published installation instructions

ITEM NO.	WALL COMPONENTS	MATERIALS
7	Window	For Window Perimeter of Base Wall Framing:
	Perimeter/	A — Minimum 18-gauge thick steel stud framing around the perimeter of the window opening.
	Opening	
	<b>Protection</b> <sup>5</sup>	For Opening Protection:
	(Not Shown)—	B — Exposed surfaces of the framing and sheathing must be protected with Master Wall <sup>®</sup> Rollershield Water
		Barrier and 4-inch wide Master Wall <sup>®</sup> Rollershield Flashing Tape turned onto the framing and applied in
	Use A and B if 6A	accordance with the manufacturer's published installation instructions. Master Wall® F&M (Foam & Mesh)
	Exterior Wall	Basecoat must be applied over exposed surfaces of the EIFS to a nominal thickness of $1/_{16}$ -inch in
	Covering.	accordance with the manufacturer's published installation instructions.
	Use A and C if 6B	C — Minimum 24-gauge (0.025-inch) thick galvanized steel flashing installed at all openings to completely
	or 6C Exterior Wall	cover the opening header, jambs and sill from the exterior sheathing to the exterior wall covering.
	Covering.	
For SI:	1 inch = 25.4 mm, 1 foot	= 304.8 mm, 1 lbs./ft <sup>3</sup> = 16.01 kg/m <sup>3</sup> , 1 oz/yd <sup>2</sup> = 0.012 kg/m <sup>2</sup> , 1 psf = 47.88 Pa.

Footnotes:

<sup>1</sup>Insulation must comply with applicable requirements of 2018 IBC Section 720.2.

<sup>2</sup>Water-resistive barrier (WRB) must be installed over the exterior sheathing in accordance with the manufacturer's published installation instructions. This material was evaluated by ICC-ES to comply with IBC Section 2603.5 when used as a component of the NFPA 285 tested wall assembly. This material has not been evaluated for use as a water-resistive barrier, under IBC Section 1404.2 and IRC Section R703.2, in accordance with ICC-ES AC212 (Acceptance Criteria for Water-resistive Coatings Used as Water-resistive Barriers over Exterior Sheathing). <sup>3</sup>Expanded polystyrene (EPS) foam plastic insulation boards must comply with ASTM C578, Type I and ASTM E2430, and have a flame spread index of

25 or less and a smoke-developed index of 450 or less when tested in accordance with ASTM E84 or UL723.

<sup>4</sup>The Exterior Wall Covering system must be designed to support gravity and wind loads, per applicable code.

<sup>5</sup>Window perimeter and rough opening protection options related to the NFPA 285 tested assembly only. Requirements for opening flashing and waterproofing shall be in accordance with the window or opening manufacturer's published installation instructions.