MASTER WALL, INC.®
Post Office Box 397
Fortson, Georgia 31808
(800) 755-0825
www.masterwall.com

ROLLERSHIELD WATER BARRIER AND ACCENT LAB WATER BARRIER

ADDITIONAL COMPANY AND PRODUCT NAMES:

T. CLEAR CORP./FIN PAN, INC.
3255 Symmes Road
Hamilton, Ohio 45015
(800) 544-7398
www.tclear.com

WATER ARMOR AWB

CSI Section:
07 25 00 Water-resistive Barriers/Weather Barriers

1.0 RECOGNITION

Master Wall, Inc.'s Rollershield Water Barrier, also known as Accent LAB Water Barrier, Water Armor AWB described in this report have been evaluated for use as alternatives to code prescribed water-resistive barriers. The physical, water-resistance, fire-resistance, surface-burning, and installation properties of the water barriers were evaluated for compliance with the following codes and editions:

- 2021, 2018, and 2015 International Building Code® (IBC)
- 2021, 2018, and 2015 International Residential Code® (IRC)
- 2020 Florida Building Code, Building (FBC, Building) – Supplement attached
- 2020 Florida Building Code, Residential (FBC, Residential) – Supplement attached

2.0 LIMITATIONS

Use of Rollershield and Accent LAB Water Barrier systems described in this report is subject to the following limitations:

2.1 Rollershield and Accent LAB Water Barriers shall be installed in accordance with the applicable code, Master Wall, Inc. published installation instructions, and this report. Where conflicts occur, the more restrictive shall govern.

2.2 Application of Rollershield and Accent LAB Water Barriers shall be by contractors recognized by Master Wall, Inc. as being trained to perform such installations. A list of the names and addresses of recognized contractors shall be maintained by Master Wall, Inc., and shall be made available to the building official or IAPMO UES upon request.

2.3 For recognition under the IBC as water-resistive coatings used in exterior insulation and finish systems (EIFS) applications, special inspections of EIFS applications are required at the jobsite in accordance with Section 1705.17.1 of the 2021 IBC (Section 1705.16.1 of the 2018 and 2015 IBC). For other applications, special inspections are not required at the jobsite if installation is done by an installer or contractor trained by the manufacturer, and a certificate of installation is presented to the building official at the completion of each project; otherwise, special inspections are required at the jobsite in accordance with Section 1705.1.1 of the IBC. Duties of the inspector include verifying field preparation of materials, expiration dates, installation of components, curing of components, installation of joints and sealants, applied dry-film thickness and interface of coating material with flashings.

2.4 The Rollershield and Accent LAB Water Barriers are limited to installations on walls.

2.5 The Rollershield and Accent LAB Water Barriers shall be covered with an exterior wall finish or covering complying with the applicable code or a valid and approved evaluation report issued by an approved evaluation agency.

2.6 The Rollershield or Accent LAB Water Barriers shall not be used for repairing moving cracks, joints, or cracks wider than ⅛ inch (3.2 mm).

2.7 Maximum exposure prior to covering is 30 days for any EIFS installation and six months for other cladding materials.

3.0 PRODUCT USE

3.1 General: Rollershield and Accent LAB Water Barrier coating systems are an alternative to prescribed water-resistive barriers when installed over wood and gypsum-based sheathing as specified in Section 1403.2 of the 2021 and 2018 IBC (Section 1404.2 of the 2015 IBC) and Section R703.2 of the IRC.

Rollershield and Accent LAB Water Barriers may be used in Type V construction under the IBC and in dwellings under the IRC. For use in Types I through IV construction under the IBC, Rollershield and Accent LAB Water Barrier systems may be used on exterior walls of buildings having a maximum height of 40 feet (12.2 m) above grade plane.

Under the IBC, for use in Types I through IV construction greater than 40 feet (12.2 m) above grade plane, the coating systems shall be installed on exterior wall assemblies as described in Section 3.3 of this report.

When installed at a maximum thickness of 10 mils dry thickness, Rollershield, Accent LAB and Rollershield Flashing Tape may be used in exterior walls of fire resistance-rated construction assemblies, without changing the assigned hourly rating of the assembly as recognized in Table 721.1(2) of the IBC.

The Rollershield and Accent LAB Water Barrier systems may be used over sheathing where EIFS cladding is used, in accordance with Section 1407.4.1 of the 2021 and 2018 IBC (Section 1408.4.1 of the 2015 IBC), and recognized for such use in a valid and approved evaluation report.

Rollershield and Accent LAB Water Barrier systems may be used behind other wall covering materials when recognized for such use in a valid and approved evaluation report. A single layer of Rollershield or Accent LAB Water Barrier is equivalent to a 60-minute Grade D vapor permeable barrier and may be used for installation with an approved slip sheet in accordance with Section R703.7.3 of the IRC.

3.2 Installation

3.2.1 General: Installation of Rollershield and Accent LAB Water Barrier systems shall comply with this report and the manufacturer's published installation instructions. The manufacturer's published installation instructions shall be available at the jobsite during installation. Where conflicts occur, the more restrictive shall govern.

3.2.2 Substrate Preparation: Rollershield and Accent LAB Water Barriers are installed on the exterior side of vertical exterior walls. Surfaces shall be free of all bond-inhibiting materials, including oil, dirt, and other foreign matter. Rollershield and Accent LAB Water Barriers shall be applied only when the surface and ambient temperatures are at least 40°F (4°C) and rising during the application and drying period. As surface and ambient temperatures increase, working time will decrease.

The Rollershield and Accent LAB Water Barrier systems shall not be installed on below-grade surfaces, damp surfaces, or on surfaces subject to water immersion. Damaged sheathing shall be removed and replaced. Sheathing shall be installed in accordance with the applicable code. Rollershield and Accent LAB Water Barriers shall be covered with an exterior wall finish complying with the requirements of the applicable code or recognized in a valid and approved evaluation report.

The Rollershield and Accent LAB Water Barrier systems are applied by first treating the joints, corners, openings, transitions, and fastener locations with a thin layer of Rollershield or Accent LAB, then coating the entire surface using brush, roller, trowel, or airless spray equipment techniques. While the Rollershield or Accent LAB coating is still wet, Rollershield Flashing Tape shall be centered and immediately embedded into the Rollershield or Accent LAB coating. Recoating of the Rollershield Flashing Tape may be necessary to ensure full embedment. The exposed heads of fasteners shall be spot coated and allowed to dry. Rollershield or Accent LAB shall be flashed into windows, doors or other openings using the same techniques. The manufacturer's details include flashing options.

3.2.3 Rollershield and Accent LAB Water Barrier Application Over Exterior Gypsum Sheathing, Glass Mat Faced Gypsum or Exterior Plywood: Rollershield and Accent LAB are either rolled or spray-applied over the prepared sheathing to a nominal uniform thickness of 15 mils wet [0.015 inch (0.38 mm)], 10 mils dry [0.010 inch (0.25 mm)] with no pinholes or voids. When using a foam roller, a maximum ¾ inch (19 mm) nap is recommended.

3.2.4 Rollershield or Accent LAB Water Barrier Application Over Oriented Strand Board (OSB): Oriented Strand Board and other porous substrates require two (2) coats of Rollershield or Accent LAB applied in accordance with Section 3.2.1 of this report.

3.2.5 Rollershield or Accent LAB Water Barrier Application over Concrete and Concrete Masonry: The substrate shall be prepared as indicated in Section 3.2 of this report. For concrete substrates, a single uniform coat is applied by spray or roller to a wet thickness of 15 mils. For porous concrete or masonry substrates, two coats may be required and applied by spray or rolled to a wet thickness of 15 mils each, or one coat uniform spray application to a wet thickness of 30 mils [0.03 inch (0.76 mm)].

3.2.6 Curing and Drying: Rollershield and Accent LAB Water Barriers shall be dry to the touch and may be over-coated within two to four hours after application. Drying time varies depending on temperature/humidity and surface conditions. A minimum of 24 hours is required before any adhesive attachment of exterior finish is made to the final Rollershield or Accent LAB Water Barrier surface, if required. Surfaces shall be protected from rain and freezing until completely dry.

3.3 Use on Exterior Walls in Types I, II, III, and IV Construction: For use under the IBC, in Types I through IV construction greater than 40 feet (12.2 m) above grade plane, the water barrier systems shall be installed on exterior wall assemblies consisting of minimum No. 18 gage cold-formed steel framing with nominal 4-inch studs spaced 24 inches-on-center (610 mm), fastened to each leg of top and bottom track with No. 8 by minimum ½ inch (12.7 mm) lath head screws. Wall openings shall be framed in with minimum No. 18 gage steel members. Interior sheathing shall be $^{5}/_{8}$-inch-thick (16 mm) Type X gypsum fastened with No. 6 by 1¼-inch (32 mm) self-drilling screws spaced 8-inches (203 mm) on-center around the perimeter and 12 inches (305 mm) on-

center in the field. Exterior sheathing shall be $^{5}/_{8}$-inch-thick (16 mm) glass mat faced gypsum recognized in a valid and approved evaluation report as complying with ASTM C1177, fastened with No. 6 by 1¼-inch (32 mm) self-drilling screws spaced 8-inches (203 mm) on-center around the perimeter and 12 inches (305 mm) on-center in the field. The Rollershield and Accent LAB Water Barriers shall be applied to the exterior sheathing in accordance with this report at a nominal 15 mils wet thickness.

When used with EIFS, the Rollershield and Accent LAB Water Barriers shall be covered with the Rollershield Drainage Class PB EIFS recognized in UES ER-433. Insulation boards shall be maximum 4 inches (102 mm) thick Type I expanded polystyrene (EPS) complying with ASTM C578 and ASTM E2430, with a flame spread index of 25 or less and a smoke-developed index of 450 or less when tested in accordance with ASTM E84.

4.0 PRODUCT DESCRIPTION

4.1 Product Information

4.1.1 Rollershield and Accent LAB Water Barrier Systems: The Rollershield and Accent LAB Water Barrier coating systems consist of a rough opening treatment, sheathing joint treatment, and a water-resistive barrier coating. The sheathing joint treatment consists of Rollershield or Accent LAB and Rollershield Flashing Tape. Rollershield and Accent LAB 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.

4.1.1.1 Rollershield and Accent LAB are liquid-applied 100 percent acrylic flexible water barriers packaged in 5-gallon (19 L) pails. Rollershield and Accent LAB have a two-year shelf life when stored at temperatures between 40°F and 110°F (5°C and 43°C).

4.1.1.2 Rollershield Flashing Tape is a lightweight roll flashing material with an adhesive material on one side used to bridge gaps or voids common in construction. Rollershield Flashing Tape is packaged in 4-inch x 180-foot (10.2 cm x 54.9 m), 6-inch x 180-foot (15.2 cm x 54.9 m), or 9-inch x 180-foot (22.9 cm x 54.9 m) rolls.

4.2 Water Vapor Transmission: Rollershield and Accent LAB Water Barriers have a water vapor transmission (WVT) of 203 grams/m^2 per 24 hours, [30 perms (17.1 x 10^{-10} kg/Pa•s•m^2)] at 10 mils thickness, when tested in accordance with ASTM E96 and qualify as vapor permeable in accordance with IRC Section R202.

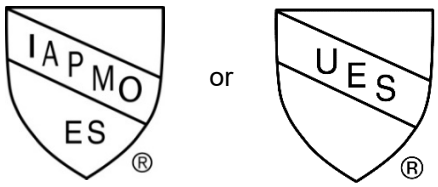
4.3 Substrates: Use of the Rollershield and Accent LAB Water Barrier systems is limited to applications over the following substrates:

- Glass mat faced gypsum recognized in a valid and approved evaluation report issued by an approved evaluation agency as complying with ASTM C1177.
- Plywood, Exposure 1 exterior grade, complying with U.S. DOC PS-1.
- Oriented Strand Board (OSB), Exposure 1, complying with U. S. DOC PS-2.
- Concrete and masonry complying with the IBC or IRC.

5.0 IDENTIFICATION

Packages of the Rollershield and Accent LAB Water Barrier coatings described in this report shall be identified by a label bearing the manufacturer's name (Master Wall, Inc. or T. Clear Corp./Fin Pan, Inc.), address, product name, identification of components, lot or batch number, quantity of material in packaged mix, storage instructions and shelf life, expiration date (when applicable), and the IAPMO UES Evaluation Report Number (ER-384).

Either IAPMO UES Mark of Conformity may also be used as shown below:



IAPMO UES ER-384

6.0 SUBSTANTIATING DATA

6.1 Data in accordance with the Acceptance Criteria for Water-resistive Coatings Used as Water-resistive Barriers over Exterior Sheathing (AC212), dated February 2015 (editorially revised July 2020).

6.2 NFPA 285 Flammability Characteristics test and analysis

6.3 Test reports are from laboratories in compliance with ISO/IEC 17025.

7.0 REFERENCE CODE SECTIONS

The code references apply to the recognition provided in this report but may not include every code section related to the use of this product. Sections numbers that differ from the 2021 Code are shown in parenthesis.

7.1 International Building Code®:

- Section 104.11 - Alternative materials, design and methods of construction and equipment.
- Section 202 - definitions (water-resistive barrier)
- Section 1402.5 – Water-resistive barriers (2018 and 2015 IBC - Vertical and lateral flame propagation).
- Section 1403.2 - Water-resistive barrier.
- Section 1404.4 - Flashing. (2015 IBC Section 1405.4 - Flashing.)

7.2 International Residential Code®:

- Section R104.11-Alternative materials, design and methods of construction and equipment.
- Section R202 - definitions (water-resistive barrier)
- Section R703.1.1 - Water resistance.
- Section R703.2 - Water-resistive barrier.
- Section R703.4 - Flashing.
- Section R703.7.3 - Water-resistive barriers

8.0 STATEMENT OF RECOGNITION

This evaluation report describes the results of research completed by IAPMO Uniform Evaluation Service on Master Wall, Inc.'s Rollershield and Accent LAB Water Barriers to assess conformance to the codes shown in Section 1.0 of this report and serves as documentation of the product certification. Products are manufactured under a quality control program with periodic inspections under the supervision of IAPMO UES.

For additional information about this evaluation report please visit www.uniform-es.org or email us at info@uniform-es.org

FLORIDA SUPPLEMENT

MASTER WALL, INC.®
Post Office Box 397
Fortson, Georgia 31808
(800) 755-0825
www.masterwall.com

ROLLERSHIELD AND ACCENT LAB WATER BARRIERS

ADDITIONAL COMPANY AND PRODUCT NAMES:

T. CLEAR CORP./FIN PAN, INC.
3255 Symmes Road
Hamilton, Ohio 45015
(800) 544-7398
www.tclear.com

WATER ARMOR AWB

CSI Section:
07 25 00 Water-resistive Barriers/Weather Barriers

1.0 RECOGNITION

Master Wall, Inc.'s Rollershield Water Barrier and Accent LAB Water Barrier described in ER-384 are satisfactory alternatives to code prescribed water-resistive barriers in the following codes and regulations:

- 2020 Florida Building Code, Building (FBC, Building)
- 2020 Florida Building Code, Residential (FBC, Residential)

2.0 LIMITATIONS

Use of Rollershield and Accent LAB Water Barrier systems described in this report is subject to the following additional limitations:

2.1 Flashing shall be installed in such a manner as to prevent moisture from entering the wall or to redirect it to the exterior in accordance with Section 1405.4 of the FBC, Building.

2.2 Application of Rollershield and Accent LAB Water Barriers shall be in accordance with ER-384 and by contractors recognized by Master Wall, Inc. as being trained to perform such installations. A list of the names and addresses of recognized contractors shall be maintained by Master Wall, Inc., and shall be made available to the building official or IAPMO UES upon request.

2.3 Evaluation to the high-velocity hurricane zone (HVHZ) provisions noted in Section 1405.1 of the FBC, Building and Chapter 44 of the FBC, Residential is outside the scope of this report.

2.4 Wind loads for design purposes shall be determined in accordance with Section 1609 of the FBC, Building or Section R301.2.1 of the FBC, Residential, as applicable

2.5 The Rollershield and Accent LAB Water Barriers shall be covered with an exterior wall finish or covering complying with the applicable code or a valid and approved evaluation report issued by an approved evaluation agency.

2.6 Maximum exposure prior to covering is 30 days for any EIFS installation and six months for other cladding materials.

2.7 The Rollershield and Accent LAB Water Barriers are limited to installations on walls.

2.8 Verification shall be provided that a quality assurance agency audits the manufacturer's quality assurance program and audits the production quality of products, in accordance with Section (5)(d) of Florida Rule 61G20-3.008. The quality assurance agency shall be approved by the Commission (or the building official when the report holder does not possess an approval by the Commission).

2.9 This supplement expires concurrently with ER-384.