



**EVALUATION SUBJECT:
PLASTIC COMPONENTS, INC.
ULTRA-LATH® PLUS HDPE LATH**

REPORT HOLDER:
Plastic Components, Inc.
9051 NW 97th Terrace
Miami, FL 33178
(305) 885-0561 - Office
www.plasticcomponents.com

CSI Division: 09 FINISHES
CSI Section: 092236 Lath

1.0 SCOPE OF EVALUATION

1.1 Compliance to the following codes & regulations:

- 2012 International Building Code® (2012 IBC)
- 2012 International Residential Code® (2012 IRC)
- 2009 International Building Code® (2009 IBC)
- 2009 International Residential Code® (2009 IRC)
- 2014 Florida Building Code, Building (FBC) – attached supplement
- 2014 Florida Building Code, Residential (FRC) – attached supplement

1.2 Evaluated in accordance with:

- IAPMO EC 014, dated January 2016

1.3 Properties assessed:

- Physical Properties
- Structural
- Durability

2.0 PRODUCT USE

Ultra-Lath® Plus HDPE Lath is an alternative to metal lath used with exterior portland cement-based plaster (stucco) complying with Chapter 25 of the IBC or Chapter 7 of the IRC and cementitious exterior wall coatings recognized in current valid evaluation reports. In addition, exterior portland cement-based plaster (stucco) reinforced with Ultra-Lath® Plus may be used to support precast stone veneer when specifically recognized in current valid evaluation reports. Ultra-Lath® Plus is limited to use in Type V-B construction under the IBC and to buildings constructed under the IRC.

3.0 PRODUCT DESCRIPTION

Ultra-Lath® Plus is a high-density polyethylene (HDPE) diamond patterned mesh with integral ¼ inch (6.4 mm)

thick fastening strips. The Ultra-Lath® Plus material weighs 3.2 oz. per sq. yd. (108 g/m²) and is available in 27 inch x 96 inch (686 mm x 2,438 mm) sheets, 27 inch (686 mm) wide by up to 100 feet (30 480 mm) long rolls, and in 3 inch, 4 inch, 6 inch and 8 inch (76 mm, 102 mm, 152 mm and 203 mm) wide strips.

4.0 DESIGN AND INSTALLATION

4.1 General: A code-specified solid substrate and weather-resistant barrier shall be in place before installing Ultra-Lath® Plus. Ultra-Lath® Plus shall be installed with the fastening strips placed against the substrate in any direction, to create a void that will allow proper embedment of the Ultra-Lath® Plus when the plaster or mortar scratch coat is applied. The Ultra-Lath® Plus shall be installed with a minimum 1 inch (25.4 mm) overlap at horizontal and vertical edges. The Ultra-Lath® Plus shall be applied flat and fastened securely against the substrate. Figure 1 of this report provides a standard material detail.

4.2 Fasteners: Ultra-Lath® Plus shall be fastened thru the substrate to a structural wall member at 6 inches (152 mm) on center vertically in accordance with the minimum requirements in Section 7.10 of ASTM C1063 (as referenced by Section 2510.3 of the IBC) or IRC Section R703.6.1, as applicable. Fasteners shall be a minimum No.16 gauge staple, with a minimum 7/16 inch (11 mm) wide crown and 1 inch (25 mm) leg. Fasteners shall be of sufficient length to penetrate studs a minimum of ¾ inch (19 mm). All fasteners shall be corrosion-resistant. Installation of cement plaster shall be in accordance with Section 2512 of the IBC or Section R703.6.2 of the IRC, as applicable.

5.0 LIMITATIONS

The Ultra-Lath® Plus HDPE Lath described in this report complies with or are suitable alternatives to what is specified in the codes listed in Section 1.1 of this report, subject to the following conditions:

5.1 Ultra-Lath® Plus shall be installed with the fastening strip against the substrate.

5.2 Ultra-Lath® Plus is limited to Type V-B construction that is not required to be fire-resistance-rated under the IBC and to buildings constructed under the IRC.

5.3 An engineered design of the wall construction shall be performed in accordance with IRC Sections R301.1.3 when the weight exceeds the applicable limits of IRC Section R301.2.2.2.1.

The product described in this Uniform Evaluation Service (UES) Report has been evaluated as an alternative material, design or method of construction in order to satisfy and comply with the intent of the provision of the code, as noted in this report, and for at least equivalence to that prescribed in the code in quality, strength, effectiveness, fire resistance, durability and safety, as applicable, in accordance with IBC Section 104.11. This document shall only be reproduced in its entirety.





5.4 Use of Ultra-Lath® Plus to provide in-plane racking shear resistance and wall bracing is beyond the scope of this report.

5.5 Ultra-Lath® Plus shall be stored in a dry location.

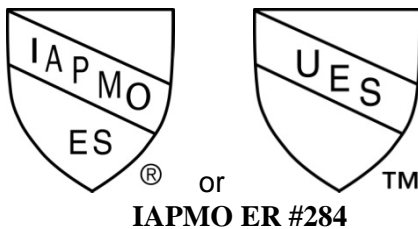
6.0 SUBSTANTIATING DATA

Data in accordance with EC 014 dated January 2016.

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

7.0 IDENTIFICATION

The product is identified with a label identifying the IAPMO-UES report number (ER-284), the company name (Plastic Components, Inc.), roll or sheet dimensions, and 3rd party quality control agency (Quality Control Consultants, LLC).



Brian Gerber
Brian Gerber, P.E., S.E.
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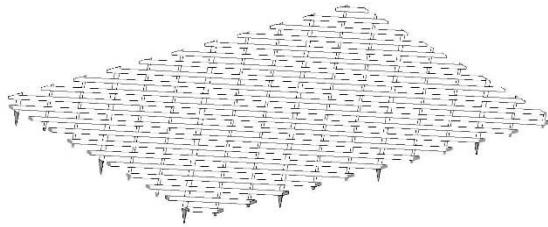
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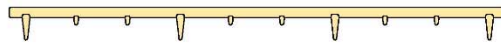
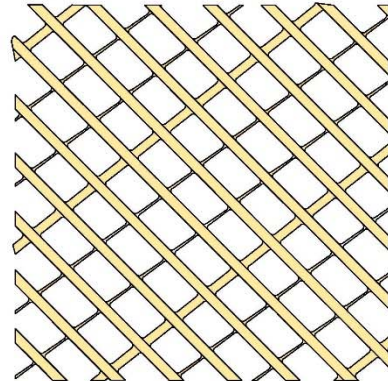
For additional information about this evaluation report please visit
www.uniform-es.org or email at info@uniform-es.org



Figure 1 – Ultra-Lath® Plus



Ultra-Lath® Plus



SECTION



FLORIDA SUPPLEMENT

EVALUATION SUBJECT: ULTRA-LATH® HDPE LATH

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approval by the Commission), to provide oversight and determine that the products are being manufactured as described in this evaluation report to establish continual product performance is required.

This supplement expires concurrently with ER-284

1.0 SCOPE OF EVALUATION

1.1 Compliance to the following codes & regulations:

- 2014 Florida Building Code, Building (FBC)
- 2014 Florida Building Code, Residential (FRC)

2.0 FINDINGS

The Ultra-Lath® HDPE Lath described in IAPMO UES ER-284 complies with the FBC, Building and the FBC, Residential. The design and installation of the Ultra-Lath HDPE Lath shall be in accordance with the 2009 and 2012 International Building Code and the 2009 and 2012 International Residential Code as noted in ER-284.

Load combinations shall be in accordance with Sections 1605.2 or 1605.3 of the FBC, Building as applicable.

Design wind loads shall be in accordance with Section 1609 of the FBC, Building or Section R301.2.1.1 of the FBC, Residential, as applicable.

In order to provide for inspection for termite infestation, clearance between exterior wall coverings and final earth grade on the exterior of a building shall be in accordance with Section 1403.8 of the FBC, Building or Section R318.7 of the FBC, Residential, as applicable.

Use of the Ultra-Lath® HDPE Lath for compliance with the high-velocity hurricane zone provisions of the FBC, Building has not been evaluated, and is outside the scope of this evaluation report supplement.

For products falling under Section (5)(d) of Florida Rule 61G20-3.008, verification that the report holder's quality assurance program is audited by a quality assurance entity approved by the Florida Building Commission (or the building official when the report holder does not possess an