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ICC-ES Evaluation Report

ESR-2055

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Reissued 07/2018
This report is subject to renewal 07/2020.

DIVISION: 09 00 00—FINISHES

SECTION: 09 22 36—LATH

REPORT HOLDER:

PREFERRED WIRE PRODUCTS, INC.

EVALUATION SUBJECT:

**PREFERRED BRAND WOVEN WIRE PLASTER BASE 1 1/2 INCH X 17 GAUGE
WOVEN WIRE LATH**



“2014 Recipient of Prestigious Western States Seismic Policy Council (WSSPC) Award in Excellence”



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Section: 09 22 36—Lath

REPORT HOLDER:

PREFERRED WIRE PRODUCTS, INC.

EVALUATION SUBJECT:

**PREFERRED BRAND WOVEN WIRE PLASTER BASE,
1½ INCH × 17 GAUGE WOVEN WIRE LATH**

1.0 EVALUATION SCOPE

Compliance with the following codes:

- 2015 *International Building Code*® (2015 IBC)
- 2015 *International Residential Code*® (2015 IRC)
- 2012 *International Building Code*® (2012 IBC)
- 2012 *International Residential Code*® (2012 IRC)
- 2009 *International Building Code*® (2009 IBC)
- 2009 *International Residential Code*® (2009 IRC)
- 2006 *International Building Code*® (2006 IBC)
- 2006 *International Residential Code*® (2006 IRC)
- 2013 *Abu Dhabi International Building Code* (ADIBC)[†]

[†]The ADIBC is based on the 2009 IBC. 2009 IBC code sections referenced in this report are the same sections in the ADIBC.

Property evaluated:

Physical properties

2.0 USES

The 1½ × 17 Gauge Woven Wire Lath is used as reinforcement of interior or exterior plaster complying with IBC Section 2507.2, or with IRC Section R702.2 or R703.6.

3.0 DESCRIPTION

The 1½ × 17 Gauge Woven Wire Lath complies with ASTM C 1032. The lath is formed from [0.051 inch (1.30 mm) coated thickness] steel wire having a Class 1 galvanized coating complying with ASTM A641. The lath has 1½-inch (38 mm) hexagonal-shaped openings, weighs a minimum of 1.40 pounds per square yard (0.76 kg/m²) and is supplied in rolls a minimum of 36 inches (914 mm) wide and 150 feet (45 720 mm) long.

4.0 DESIGN AND INSTALLATION

4.1 General:

The 1½ × 17 Gauge Woven Wire Lath must be installed in accordance with IBC Section 2510.3 or 2511.1.1 and IRC

Section R702.2 or R703.6, with the long dimension perpendicular to supports, except that at gable walls on exterior installations the lath may be installed with the long dimension parallel to the roof slope. The lath must be lapped a minimum of one mesh at the sides and ends and must be furred ¼ inch (6.4 mm) from the framing members or solid substrate.

4.2 Fire-resistance-rated Construction:

When the 1½ × 17 Gauge Woven Wire Lath is installed in accordance with Section 4.1 of this report and 2015 and 2012 IBC, Section 721 (2009 and 2006 IBC Section 720), the fire-resistance rating is as noted in 2015 and 2012 IBC Table 721.1(2) or 721.1(3) (2009 and 2006 IBC Table 720.1(2)).

4.3 Shear:

When the 1½ × 17 Gauge Woven Wire Lath is installed in accordance with Section 4.1 of this report and 2015 and 2012 IBC Section 2306.3 and Table 2306.3(3) (2009 IBC Section 2306.7 and 2006 IBC Table 2306.4.5), the allowable racking shear value is 180 plf (2627 kN/m).

5.0 CONDITIONS OF USE

The Preferred Brand Woven Wire Plaster Base, 1½ × 17 Gauge Woven Wire Lath described in this report complies with, or is a suitable alternative to what is specified in, those codes listed in Section 1.0 of this report, provided the installation complies with this report, the manufacturer's published installation instructions and the IBC or IRC, as applicable. In the event of a conflict between the manufacturer's published installation instructions and this report, this report governs.

6.0 EVIDENCE SUBMITTED

Data in accordance with the ICC-ES Acceptance Criteria for Metal Plaster Bases (Lath) (AC191), dated January 2013 (editorially revised December 2015).

7.0 IDENTIFICATION

7.1 Each roll of woven wire lath must be identified by a label bearing the company name (Preferred Wire Products, Inc.), minimum wire diameter, mesh opening size, roll dimensions, production date, the wording "complies with ASTM C1032" and the ICC-ES evaluation report number (ESR-2055).

7.2 The report holder's contact information is the following:

**PREFERRED WIRE PRODUCTS, INC.
401 NORTH MINNEWAWA AVENUE
CLOVIS, CALIFORNIA 93611
(559) 324-0140**