

DIVISION: 09 00 00—FINISHES

Section: 09 22 36—Lath

REPORT HOLDER:

PREFERRED WIRE PRODUCTS, INC.

EVALUATION SUBJECT:

PREFERRED BRAND WOVEN WIRE PLASTER BASES (LATH)

1.0 EVALUATION SCOPE

Compliance with the following codes:

- 2021, 2018, 2015, 2012, 2009, 2006 *International Building Code*® (IBC)
- 2021, 2018, 2015, 2012, 2009, 2006 *International Residential Code*® (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 Preferred Brand 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 2021 and 2018 IRC Section R703.7 (2015, 2012, 2009 and 2006 Section R703.6), installed over open-framed or sheathed walls.

3.0 DESCRIPTION

3.1 General:

The Preferred Brand Woven Wire Lath complies with ASTM C1032. The lath is formed from steel wire having a Class 1 galvanized coating complying with ASTM A641.

3.2 1½ x 17 Gauge Self-Furring Woven Wire Lath:

This 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. The lath is available with a minimum furring depth of ¼-inch (6 mm). The coated wire has a nominal diameter of 0.051 inch (1.30 mm).

3.3 1 x 20 Gauge Self-Furring Woven Wire Lath:

This lath has 1-inch (25.4 mm) hexagonal-shaped openings, weighs a minimum of 0.86 pounds per square yard (0.466 kg/m²) and is supplied in rolls a minimum of 37 inches (940 mm) wide and 150 feet (45 720 mm) long. The lath is available with a minimum furring depth of ¼-inch (6 mm). The coated wire has a nominal diameter of 0.035 inch (0.89 mm).

4.0 DESIGN AND INSTALLATION

4.1 General:

The Preferred Brand Woven Wire Lath must be installed in accordance with IBC Section 2510.3 or 2511.1.1 or IRC Section R702.2 or 2021 and 2018 IRC Section R703.7 (2015, 2012, 2009 and 2006 IRC Section R703.6), as applicable, 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 Preferred Brand Woven Wire Lath is installed in accordance with Section 4.1 of this report and 2021, 2018, 2015 and 2012 IBC Section 721 (2009 and 2006 IBC Section 720), the fire-resistance rating is as noted in 2021, 2018, 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 Preferred Brand Woven Wire Lath is installed in accordance with Section 4.1 of this report and 2021, 2018, 2015 and 2012 IBC Section 2306.3 and Table 2306.3(3) (2009 IBC Section 2306.7, 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 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 March 2016 (editorially revised August 2020).

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:

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