

**ICC-ES Evaluation Report****ESR-2367**

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**DIVISION: 09—FINISHES**  
**Section: 09205—Furring and Lathing**

**REPORT HOLDER:**

**WEIFA EXPANDED METAL LATH CO., LTD.**  
**#66 WEST STREET, CHANGLE TOWN**  
**SHENGZHOU CITY, ZHEJIANG 312467**  
**CHINA**  
**(0086) 57583781111**  
[www.wfeml.com](http://www.wfeml.com)  
[weifa@21cn.net](mailto:weifa@21cn.net)

**EVALUATION SUBJECT:**

**WEIFA 2.5 AND 3.4 DIAMOND MESH METAL LATH, AND**  
**WEIFA 3.4 3/8-INCH RIB METAL LATH**

**1.0 EVALUATION SCOPE****Compliance with the following codes:**

- 2006 *International Building Code*® (IBC)
- 2006 *International Residential Code*® (IRC)

**Property evaluated:**

Physical properties

**2.0 USES**

The Weifa 2.5 Diamond Mesh Metal Lath, the Weifa 3.4 Diamond Mesh Metal Lath and the Weifa 3.4 3/8-inch Rib Metal Lath are used as reinforcement of interior and exterior cement plaster (stucco) complying with IBC Section 2507.2.

**3.0 DESCRIPTION****3.1 Weifa 2.5 Diamond Mesh Metal Lath:**

The Weifa 2.5 metal lath complies with ASTM C 847, is fabricated from 0.020-inch-thick (0.51 mm) cold-formed steel complying with ASTM A 366, and has a G60 galvanized coating complying with ASTM A 653. The lath is nominally 1/8 inch (3.18 mm) thick, is 27 inches (686 mm) wide and 96 inches (2438 mm) long, and weighs 2.5 lb/yd<sup>2</sup> (1.35 kg/m<sup>2</sup>).

**3.2 Weifa 3.4 Diamond Mesh Metal Lath:**

The Weifa 3.4 metal lath complies with ASTM C 847, is fabricated from 0.024-inch-thick (0.612 mm) cold-formed steel complying with ASTM A 366, and has a G60 galvanized coating complying with ASTM A 653. The lath is 1/8 inch (3.18 mm) thick, 27 inches (686 mm) wide, and 96 inches (2438 mm) long, and weighs 3.4 lb/yd<sup>2</sup> (1.8 kg/m<sup>2</sup>).

**3.3 Weifa 3.4 3/8-inch Rib Metal Lath:**

The Weifa 3.4 3/8-inch rib metal lath complies with ASTM C 847, is fabricated from 0.015-inch-thick (0.38 mm) cold-formed steel complying with ASTM A 366, and has a G60 galvanized coating complying with ASTM A 653. The lath is 3/8 inch (9.53 mm) thick, 27 inches (686 mm) wide, and 96 inches (2438 mm) long, and weighs 3.4 lb/yd<sup>2</sup> (1.8 kg/m<sup>2</sup>). The lath has 3/8-inch-deep (9.53 mm) ribs, continuous in the long direction of the sheet, that are spaced at 4 inches (102 mm) on center.

**4.0 INSTALLATION****4.1 General:**

Installation of the lath must be in accordance with IBC Sections 2510.3 (ASTM C 1063) and 2511.1.1. The lath is installed with the long dimension perpendicular to supports, except at gable walls on exterior installations where the lath may be installed with the long dimension parallel to the roof slope. The lath must be furred 1/4 inch (6.4 mm) from the framing members or solid substrates.

**4.2 Fire-resistance-rated Construction:**

When the lath described in Section 3.0 is installed in accordance with Section 4.1 of this report and with IBC Section 720, the fire-resistance rating is as noted in IBC Tables 720.1(2) or 720.1(3).

**4.3 Shear:**

When the lath described in Section 3.0 is installed in accordance with Section 4.1 and IBC Section 2306.4.5, the allowable shear value is 180 plf (2627 kN/m).

**5.0 CONDITIONS OF USE**

The Weifa 2.5 Diamond Mesh Metal Lath, the Weifa 3.4 Diamond Mesh Metal Lath and the Weifa 3.4 3/8-inch Rib Metal Lath described in this report comply with, or are suitable alternatives 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 applicable code. 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 May 2008.

**7.0 IDENTIFICATION**

These products are packaged in cartons or bundled with a label bearing the company name (Weifa Expanded Metal Lath Co., Ltd.), product name, production number, product weight, product dimensions, the statement "complies with ASTM C 847" and the evaluation report number (ESR-2367).

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