

ICC-ES Evaluation Report


ESR-3497

Reissued March 2024

Subject to renewal March 2026

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DIVISION: 09 00 00—FINISHES Section: 09 22 36—Lath	REPORT HOLDER: HEBEI MINMETALS COMPANY, LTD.	EVALUATION SUBJECT: HEBEI MINMETAL METAL LATH PRODUCTS	
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1.0 EVALUATION SCOPE

Compliance with the following codes:

- 2012 and 2009 [International Building Code® \(IBC\)](#)
- 2012 and 2009 [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.

Properties evaluated:

- Physical properties

2.0 USES

The metal laths described in this report are used as reinforcement of interior or exterior plaster and comply with Section 2507.2 of the IBC and Section R703.6.1 of the IRC.

3.0 DESCRIPTION

3.1 Hebei 2.5 Expanded Diamond Mesh Metal Lath:

The lath complies with ASTM C847, is fabricated from 0.020-inch-thick (0.51 mm) cold-formed steel complying with ASTM A653, and has a G60 galvanized coating complying with ASTM A653. The lath is 1/8 inch (3.2 mm) thick, 27 inches (686 mm) wide, and 97 inches (2.46 m) long, and weighs 2.5 lb/yd² (1.4 kg/m²).

3.2 Hebei 2.5 Self-Furred Expanded Diamond Mesh Metal Lath:

The lath is similar to the 2.5 Expanded Diamond Mesh Metal Lath described in Section 3.1 except that it is nominally 5/16 inch (7.94 mm) thick and has either a minimum 1/4 inch (6.35 mm) groove or dimple furring formed into the lath.

3.3 Hebei 3.4 Expanded Diamond Mesh Metal Lath:

The lath complies with ASTM C847, is fabricated from 0.0224-inch-thick (0.569 mm) cold-formed steel complying with ASTM A653, and has a G60 galvanized coating complying with ASTM A653. The lath is 1/8 inch (3.2 mm) thick, 27 inches (686 mm) wide, and 97 inches (2.46 m) long, and weighs 3.4 lb/yd² (1.8 kg/m²).

3.4 Hebei 3.4 Self-Furred Expanded Diamond Mesh Metal Lath:

The lath is similar to the 3.4 Expanded Diamond Mesh Metal Lath described in Section 3.3 except that it is nominally $\frac{5}{16}$ inch (7.94 mm) thick and has either a minimum $\frac{1}{4}$ inch (6.35 mm) groove or dimple furring formed into the lath.

3.5 Hebei 3.4 $\frac{3}{8}$ -inch Rib Metal Lath:

The lath complies with ASTM C847, is fabricated from 0.015-inch-thick (0.38 mm) cold-formed steel complying with ASTM A653, and has a G60 galvanized coating complying with ASTM A653. The lath is $\frac{3}{8}$ inch (9.53 mm) thick, 27 inches (686 mm) wide, and 97 inches (2.46 m) long, and weighs 3.4 lb/yd² (1.8 kg/m²). The lath has $\frac{3}{8}$ -inch-deep (9.5 mm) ribs that are continuous in the long direction and spaced 4 inches (102 mm) on center.

4.0 INSTALLATION

4.1 General:

The lath products noted in Section 3.0 must be installed in accordance with Sections 2510.3 (ASTM C1063) and 2511.1.1 of the IBC or Section R703.6 of the IRC, as applicable. The lath must be 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 laths must be furred $\frac{1}{4}$ inch (6.4 mm) from the framing members or solid substrate, except for the self-furring laths.

4.2 Fire-resistance-rated Construction:

When installation is in accordance with Section 4.1 of this report and Section 721 of the 2012 IBC (Section 720 of the 2009 IBC), the fire-resistance rating is as noted in Table 721.1(2) of the 2012 IBC [Table 720.1(2) of the 2009 IBC].

4.3 Shear Walls:

The allowable shear value for wind and seismic loads is 180 plf (2627 kN/m) when installation is in accordance with Section 4.1 of this report, and Section 2306.3 and Table 2306.3(3) of the 2012 IBC (Section 2306.7 and Table 2306.7 of the 2009 IBC), and is subject to the conditions and limitations noted therein for wall construction of metal lath and portland cement plaster.

5.0 CONDITIONS OF USE:

The Hebei Minmetals Co., Ltd., metal laths 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 October 2012.

7.0 IDENTIFICATION

- 7.1 The ICC-ES mark of conformity, electronic labeling, or the evaluation report number (ICC-ES ESR-3497) along with the name, registered trademark, or registered logo of the report holder must be included in the product label.
- 7.2 In addition, the metal lath products described in this report are provided in pallets and bundles. Each pallet bears a label with the company name (Hebei Minmetals Co., Ltd.), product name, production number, and product quantity, length, and production date. Each bundle has a label bearing the company name (Hebei Minmetals Co., Ltd.), product name, production date, and production facility.
- 7.3 The report holder's contact information is as follows:

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