



ICC-ES Evaluation Report

ESR-1623

Reissued May 2023

Revised November 2023

This report is subject to renewal May 2025.

DIVISION: 09 00 00—FINISHES
Section: 09 22 36—Lath

REPORT HOLDER:

CEMCO, LLC.

EVALUATION SUBJECT:

CEMCO METAL LATH PRODUCTS

1.0 EVALUATION SCOPE

Compliance with the following codes:

- 2021, 2018 and 2015 *International Building Code*®
- 2021, 2018 and 2015 *International Residential Code*®
- 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 metal laths described in this report are used as reinforcement of interior or exterior plaster complying with IBC Section 2507.2 or IRC Section R703.7.1.

3.0 DESCRIPTION

3.1 CEMCO 2.5 Expanded Diamond Mesh Metal Lath:

The lath complies with ASTM C847, is fabricated from 0.0175-inch-thick (0.45 mm) cold-formed steel complying with ASTM A653 and has a G60 galvanized coating designation complying with ASTM A653. The lath is 1/8 inch (3.18 mm) thick, 27 1/2 inches (699 mm) wide and 97 inches (2464 mm) long, and weighs 2.5 lb/yd² (1.4 kg/m²).

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

The lath is identical to the 2.5 Expanded Diamond Mesh Metal Lath described in Section 3.1, except that it has either minimum 1/4 inch (6.35 mm) dimple or groove furring formed into the lath.

3.3 CEMCO 3.4 Expanded Diamond Mesh Metal Lath:

The lath complies with ASTM C847, is fabricated from 0.0231-inch-thick (0.59 mm) cold-formed steel complying

with ASTM A653 and has a G60 galvanized coating designation complying with ASTM A653. The lath is 1/8 inch (3.18 mm) thick, 27 1/2 inches (699 mm) wide and 97 inches (2464 mm) long, and weighs 3.4 lb/yd² (1.8 kg/m²).

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

The lath is identical to the 3.4 Expanded Diamond Mesh Metal Lath described in Section 3.3, except that it has either minimum 1/4 inch (6.35 mm) dimple or groove furring formed into the lath.

3.5 1/8-inch Self-Furred Flat Rib Lath:

The lath complies with ASTM C847, is fabricated from 0.0132-inch-thick (0.34 mm) cold-formed steel complying with ASTM A653 and has a G60 galvanized coating complying with ASTM A653. The lath is 1/8 inch (3.18 mm) thick, 27 1/2 inches (699 mm) wide and 97 inches (2464 mm) long, and weighs 1.8 lb/yd² (0.98 kg/m²).

3.6 3/8-inch 3.4 Hi Rib 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 designation complying with ASTM A653. The lath is 3/8 inch (9.53 mm) thick, 27 1/2 inches (699 mm) wide and 97 inches (2464 mm) long, and weighs 3.4 lb/yd² (1.8 kg/m²). The lath has 3/8-inch-deep (9.53 mm) ribs, continuous in the long direction and spaced 4 inches (102 mm) on center.

4.0 INSTALLATION

4.1 General:

4.2 The expanded metal lath products noted in Section 3.0 must be installed in accordance with IBC Sections 2510.3 (ASTM C1063) and 2511.1.1 or IRC Section R703.7, as applicable, 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. Except for the 3/8 inch (9.53 mm) 3.4 Hi Rib Lath, which is considered self-furring, the other laths described in this report must be furred 1/4 inch (6.4 mm) from the framing members or solid substrate.

4.3 Fire-resistance-rated Construction:

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

4.4 Shear Walls:

When installation is in accordance with Section 4.1 of this report and IBC Section 2306.3 and IBC Table 2306.3(3), the allowable shear value for wind and seismic loads is 180 plf (2627 kN/m).

5.0 CONDITIONS OF USE

The California Expanded Metal Products Company 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 March 2016 (editorially revised August 2020).

7.0 IDENTIFICATION

- 7.1 The ICC-ES mark of conformity, electronic labeling, or the evaluation report number (ICC-ES ESR-1623) 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 lath products described in this report are packaged in bundles and pallets. Each pallet bears a label with the company name (CEMCO, LLC.), product name, production number, and product quantity, length, and production date. Each bundle has a label bearing the company name (CEMCO, LLC.), product name, production date, production facility, and operator.
- 7.3 The report holder's contact information is the following:

CEMCO, LLC.**13191 CROSSROADS PARKWAY, SUITE 325****CITY OF INDUSTRY, CALIFORNIA 91746****(800) 775-2362**www.CEMCOSTEEL.comfsesma@cemcosteel.com

DIVISION: 09 00 00—FINISHES**Section: 09 22 36—Lath****REPORT HOLDER:**

CEMCO, LLC.

EVALUATION SUBJECT:

CEMCO METAL LATH PRODUCTS

1.0 REPORT PURPOSE AND SCOPE**Purpose:**

The purpose of this evaluation report supplement is to indicate that the CEMCO Metal Lath Products, described in ICC-ES evaluation report ESR-1623, have also been evaluated for compliance with the codes noted below.

Applicable code editions:

- 2022 California Building Code® (CBC)

For evaluation of applicable Chapters adopted by the California Office of Statewide Health Planning and Development (OSHPD) AKA: California Department of Health Care Access and Information (HCAI) and the Division of State Architect (DSA), see Sections 2.1.1 and 2.1.2 below.

- 2022 California Residential Code® (CRC)

2.0 CONCLUSIONS**2.1 CBC:**

The CEMCO Metal Lath Products, described in Sections 2.0 through 7.0 of the evaluation report ESR-1623, comply with CBC Chapters 7, 23 and 25, provided the design and installation are in accordance with the 2021 *International Building Code*® (IBC) provisions noted in the report and the additional requirements of CBC Chapters 7, 23 and 25, as applicable.

The products have not been evaluated under Chapter 7A for use in the exterior design and construction of new buildings located in a Fire Hazard Severity Zone within State Responsibility Areas or any Wildland–Urban Interface Fire Area.

2.1.1 OSHPD:

The applicable OSHPD Sections and Chapters of the CBC are beyond the scope of this supplement.

2.1.2 DSA:

The applicable DSA Sections and Chapters of the CBC are beyond the scope of this supplement.

2.2 CRC:

The CEMCO Metal Lath Products, described in Sections 2.0 through 7.0 of the evaluation report ESR-1623, comply with CRC Chapter 7, provided the design and installation are in accordance with the 2021 *International Residential Code*® (IRC) provisions noted in the evaluation report.

The products have not been evaluated under CRC Section R337 for use in the exterior design and construction of new buildings located in a Fire Hazard Severity Zone within State Responsibility Areas or any Wildland–Urban Interface Fire Area.

The products recognized in this supplement have not been evaluated for compliance with the *International Wildland–Urban Interface Code*®.

This supplement expires concurrently with the evaluation report, reissued May 2023 and revised November 2023.