DIVISION: 09 00 00—FINISHES
SECTION: 09 22 36—LATH

REPORT HOLDER:
HUANGHUA ZHONGLIAN HARDWARE PRODUCTS CO., LTD.

EVALUATION SUBJECT:
WOVEN WIRE LATH: 1 1/2-INCH X 17 GAGE; AND 1-INCH X 20 GAGE

“2014 Recipient of Prestigious Western States Seismic Policy Council (WSSPC) Award in Excellence”
DIVISION: 09 00 00—FINISHES
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REPORT HOLDER:
HUANGHUA ZHONGLIAN HARDWARE PRODUCTS CO., LTD.

ADDITIONAL LISTEES:
FIBRESTAR INC.
OMEGA PRODUCTS INTERNATIONAL, INC.

EVALUATION SUBJECT:
WOVEN WIRE LATH: 1 1/2-INCH X 17 GAGE; AND 1-INCH X 20 GAGE

1.0 EVALUATION SCOPE
Compliance with the following codes:
- 2009 and 2006 International Building Code® (IBC)
- 2009 and 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 1 1/2-inch × 17 Gage Self-Furred and Non-Furred Woven Wire Lath is used as reinforcement of cementitious interior or exterior plaster complying with IBC Section 2507.2 or IRC Section R703.6.1.

The 1-inch × 20 Gage Self-Furred Woven Wire Lath is used as reinforcement of exterior coatings recognized in a current ICC-ES evaluation report.

All of the products labeled with the company name of Fibrestar Inc. are trade-named as PREMIER LiNE.

3.0 DESCRIPTION
3.1 1 1/2-inch x 17 Gage Self-Furred and Non-Furred Woven Wire Lath:
The woven wire lath is manufactured from No. 17 gage [0.051 inch (1.3 mm) coated thickness] steel wire having a minimum Class 1 galvanized coating in accordance with ASTM A641. The woven wire lath has nominally 1 1/2-inch (38 mm) hexagonal-shaped openings, has a minimum weight of 1.40 lb/yd² (0.760 kg/m²), and is supplied in rolls 36 inches (914 mm) wide and 150 feet (46 m) long. The 1 1/2-inch × 17 gage lath is available non-furred or with minimum furring of 1/4 inch (6 mm). The woven wire lath complies with ASTM C1032.

These products are also sold as Omega Wire 1 1/2 inch x 17 Gage Woven Wire lath and Omega Wire 1 1/2 inch x 17 Gage Non-Furred Woven Wire Lath.

3.2 1-inch × 20 gage Self-Furred Woven Wire Lath:
The 1-inch × 20 gage self-furred woven wire lath is manufactured from No. 20 gage [0.035 inch (0.89 mm) coated diameter] steel wire having a minimum Class 1 galvanized coating in accordance with ASTM A641. The woven wire lath has nominally 1-inch (25.4 mm) hexagonal-shaped openings, and has a minimum weight of 0.86 lb/yd² (0.47 kg/m²). The woven wire lath is supplied in rolls 36 inches (915 mm) wide and 150 feet (46 m) long and has minimum furring of 1/8 inch (3.2 mm). The galvanized 1-inch × 20 gage lath complies with ASTM C1032.

This product is also sold as Omega Wire 1-inch mesh x 20G.

4.0 INSTALLATION
4.1 No. 17 Gage Woven Wire Lath Products:
4.1.1 General: The No. 17 gage woven wire lath products must be installed in accordance with IBC Sections 2510.3 and 2511.1.1, or Section R703.6 of the IRC. The long dimension must be perpendicular to supports except at gable walls on exterior insulations, where the lath may be installed with the long dimension parallel to the roof slope. The lath must be furred a minimum of 1/4 inch (6.4 mm) from the framing members or solid substrate.

4.1.2 Fire-resistance-rated Construction: When the woven wire lath is installed in accordance with Section 4.1 of this report and IBC Section 720, the fire-resistance rating is as noted in IBC Table 720.1(2).

4.1.3 Shear Walls: When the woven wire lath is installed in accordance with Section 4.1 of this report and IBC Section 2306.4.5, the allowable racking shear value is 180 plf (2627 kN/m).

4.2 1-inch × 20 gage Self-Furred Woven Wire Lath:
The galvanized 1-inch × 20 gage woven wire lath must be installed, in accordance with a current ICC-ES evaluation report and the applicable code, on a cementitious exterior coating. The lath must be furred a minimum of 1/8 inch (3.2 mm) from framing members or solid substrate after installation, in accordance with the ICC-ES evaluation report on the cementitious exterior coating.
5.0 CONDITIONS OF USE
The lath products 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 that 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 (editorially revised January 2011).

7.0 IDENTIFICATION
7.1 Each roll of the woven wire lath is identified by a label bearing the company name [HuangHua ZhongLian Hardware Product Co., Ltd., Omega Products International, Inc., or Fibrestar Inc.] and address, the wire diameter or gage, the mesh opening size, the roll dimensions and the evaluation report number (ESR-2733). The labels with the Fibrestar Inc. company name also include the product trade name of PREMiER LiNE. Paperback products also include the type and grade of the water-resistive barrier.

7.2 The report holder’s contact information is the following:
HUANGHUA ZHONGLIAN HARDWARE PRODUCTS CO., LTD.
BALIZHUANG INDUSTRY AREA
HUANGHUA CITY, HEBEI PROVINCE 061109
CHINA
86-317 565 2267
www.zlhardware.com

7.3 The Additional Listees’ contact information is the following:
FIBRESTAR INC.
5545 CAROT COURT
YORBA LINDA, CALIFORNIA 92887
(909) 896-9008

OMEGA PRODUCTS INTERNATIONAL, INC.
1681 CALIFORNIA AVENUE
CORONA, CALIFORNIA 92881
(951) 737-7447