



AMERICAN BUILDING INDUSTRIES KeyLath Welded Wire Laths

CSI Sections: 09 22 36 Lath

1.0 RECOGNITION

KeyLath welded wire reinforcement for exterior walls has been evaluated for use as lath in portland cement based plaster stucco.

The physical, structural and durability properties of the lath have been evaluated for compliance with the following codes and editions:

- 2015, 2012, 2009 and 2006 International Building Code® (IBC)
- 2015, 2012, 2009 and 2006 International Residential Code® (IRC)

KeyLath Welded Wire Lath C933-16.2500 complies with ASTM C933 in accordance with Chapter 25 of the IBC and Chapter 7 of the IRC. KeyLath Welded Wire Lath EIS-18.1875 reinforcement complies as an alternate to the lath found in Chapter 25 of the IBC and Chapter 7 of the IRC.

2.0 LIMITATIONS

Use of the KeyLath Welded Wire Laths recognized in this report is subject to the following limitations:

- 2.1 Use of the Laths is limited to non-fire-resistance-rated construction.
- 2.2 Use of the Laths has not been evaluated as part of a shear wall or wall bracing system.
- 2.3 Use of the Laths has not been evaluated as part of a thermal barrier.

3.0 PRODUCT USE

Use of KeyLath Welded Wire Laths shall comply with the applicable codes, the manufacturer’s installation instructions, and this report. Where conflicts occur, the most restrictive shall govern.

3.1 General

3.1.1 KeyLath Welded Wire Lath C933-16.2500: C933-16.2500 is welded wire lath used in cementitious exterior wall coatings recognized in current evaluation reports, or exterior cement plaster (stucco) complying with Chapter 25 of the IBC or Chapter 7 of the IRC.

3.1.2 KeyLath Welded Wire Lath EIS-18.1875: EIS-

18.1875 is an alternate to 20-gauge woven wire lath with 1-inch by 1-inch (25.4 mm by 25.4 mm) openings complying with ASTM C1032. This product provides reinforcement for ½-inch (12.7 mm) thick one-coat stucco systems for sheathed and exterior insulated wall systems as recognized in a current evaluation report.

3.2 Installation

KeyLath Welded Wire Laths shall be installed in accordance with this report, the manufacturer’s installation instructions, IBC Sections 2510, IRC Section R703.6, ASTM C1063 or an evaluation report for exterior cementitious wall coating systems issued by an accredited evaluation source. If any conflict exists between this report and the manufacturer’s installation instructions, the more restrictive shall prevail. KeyLath shall be installed with the long dimension perpendicular to supports, except at a gable wall where it may be installed parallel to the roof. The lath shall be installed with a minimum 2-inch (51 mm) overlap at horizontal and vertical edges and shall be applied flat and stretched tight against the substrate.

4.0 PRODUCT DESCRIPTION

KeyLath welded wire laths are available in two sizes, KeyLath Welded Wire Lath C933-16.2500 and KeyLath Welded Wire Lath EIS-18.1875.

4.1 KeyLath Welded Wire Lath C933-16.2500: KeyLath Welded Wire Lath C933-16.2500 is a self-furred wire lath complying with the requirements of ASTM C933. C933-16.2500 has a 2-inch x 2-inch (51 mm x 51 mm) welded pattern of 16 gauge (0.0625 inch) (1.59 mm) hot dip galvanized wire complying with ASTM A641. The lath includes a ¼-inch by ½-inch (6.4 mm by 12.7 mm) long flat furring crimp for embedment spaced 2 inches (50.8 mm) on center on each vertical cross wire and 4 inches (101.6 mm) on center horizontally. The nominal weight of C933-16.2500 is 1.14 lb/yd² (0.62 kg/m²). The KeyLath Welded Wire Lath C933-16.2500 rolls are 39½ inches wide by 150 feet long (1.0 m x 45.7 m), and weigh approximately 62.5 lbs (28.4 kg).

4.2 KeyLath Welded Wire Lath EIS-18.1875: KeyLath Welded Wire Lath EIS-18.1875 is a self-furred wire lath and has a 2-inch x 2-inch (51 mm x 51 mm) welded pattern of 18 gauge (0.0475 inch) (1.21 mm) hot dip galvanized wire complying with ASTM A641. 3/16-inch deep by ½-inch long flat furring crimps for embedment are included in each vertical cross wire spaced 2 inches on center and spaced 4 inches on center horizontally. The nominal weight is 0.679 lb/yd² (0.37 kg/m²). The KeyLath Welded Wire Lath EIS-18.1875 rolls are 39½ inches wide by 150 feet long (1.0 m x 45.7 m), and weigh approximately 37.2 lbs (16.9 kg).



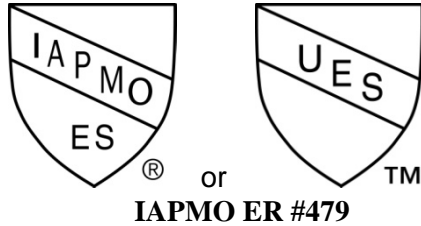


Originally Issued: 03/07/2017

Valid Through: 03/31/2018

5.0 IDENTIFICATION

The rolls of lath are identified with a strap that includes the company name, the part number, lot number and IAPMO-ES report number. Either UES Mark of Conformity may be used as shown below.



6.0 SUBSTANTIATING DATA

Data in accordance with ICC Acceptance Criteria for Metal Plaster Bases (Lath), AC 191, Approved March 2016. Test results are from laboratories in compliance with ISO/IEC 17025.

7.0 CONTACT INFORMATION

AMERICAN BUILDING INDUSTRIES
11175 INLAND AVENUE
JURAPA VALLEY, CA 91752
(951) 685-1538
www.americanfastenersco.com

8.0 STATEMENT OF RECOGNITION

This evaluation report describes the results of research carried out by IAPMO Uniform Evaluation Service on KeyLath Welded Wire Laths to assess their conformance to the codes shown in Section 1.0 of this report and documents the product's certification.

Brian Gerber, P.E., S.E.
Vice President, Technical Operations
Uniform Evaluation Service

Richard Beck, PE, CBO, MCP
Vice President, Uniform Evaluation Service

GP Russ Chaney
CEO, The IAPMO Group

For additional information about this evaluation report please visit www.uniform-es.org or email at info@uniform-es.org