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# ICC-ES Report

## ESR-1808

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Issued 11/2015

This report is subject to renewal 11/2016.

**DIVISION: 09 00 00—FINISHES**

**SECTION: 09 22 36—LATH**

**REPORT HOLDER:**

**TROWEL TRADES ACCESSORIES LTD.**

**2158 – 191 STREET  
SURREY, BRITISH COLUMBIA V3Z 3M3  
CANADA**

**EVALUATION SUBJECT:**

**TROWEL TRADES STUCCO MESH**



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# ICC-ES Evaluation Report

**ESR-1808**

Issued November 2015

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**DIVISION: 09 00 00—FINISHES**  
**Section: 09 22 36—Lath**
**REPORT HOLDER:**
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**EVALUATION SUBJECT:**
**TROWEL TRADES STUCCO MESH**
**1.0 EVALUATION SCOPE**
**Compliance with the following codes:**

- 2012 and 2009 *International Building Code*®
- 2012 and 2009 *International Residential Code*®

**Property evaluated:**

Physical properties

**2.0 USES**

Trowel Trades Accessories, Ltd., products are for use as alternatives to woven wire plaster bases used as reinforcement of exterior plaster complying with IBC Section 2507 and IRC Section R703.6.1.

**3.0 DESCRIPTION**
**3.1 Welded Stucco Wire 17 Gauge (1.5" x 1.5"):**

Welded stucco wire (1.5" x 1.5") is a self-furring, welded wire lath for use as an alternative to the 1.4 lb/yd<sup>2</sup> (0.7596 kg/m<sup>2</sup>) woven wire lath specified in ASTM C1032. The lath is formed from cold-rolled longitudinal wires with a minimum coated diameter of 0.052 inch (1.32 mm). The lath has 1½-inch-by-1½-inch (38 mm by 38 mm) openings formed by longitudinal and cross wires that are resistance-welded at the wire intersections. The wire complies with the mechanical requirements of ASTM A641 and has a Class 1 galvanized coating complying with ASTM A641. The lath has ¼-inch (6.4 mm) furring crimps spaced at 3 inches (76 mm) on center on each cross wire. The nominal weight of the lath is 1.14 pound per square yard (0.62 kg/m<sup>2</sup>). The lath is packaged in rolls of two sizes: 48 inches (1220 mm) wide and 112.5 feet (34.3 m)

long, and 54 inches (1370 mm) wide and 100 feet (2540 mm) long.

**3.2 Welded Stucco Wire 16 Gauge (2" x 2") :**

Welded stucco wire (2" x 2") is a self-furring, welded wire lath for use as an alternative to the 1.4 lb/yd<sup>2</sup> (0.7596 kg/m<sup>2</sup>) woven wire lath specified in ASTM C1032. The lath is formed from cold-rolled longitudinal wires with a minimum coated diameter of 0.060 inch (1.52 mm). The lath has 2-inch-by-2-inch (51 mm by 51 mm) openings formed by longitudinal and cross wires that are resistance-welded at the wire intersections. The wire complies with the mechanical requirements of ASTM A641 and has a Class 1 galvanized coating complying with ASTM A641. The lath has ¼-inch (6.4 mm) furring crimps spaced at 4 inches (102 mm) on center on each cross wire. The nominal weight of the lath is 1.08 pound per square yard (0.59 kg/m<sup>2</sup>). The lath is packaged in rolls of two sizes: 48 inches (1220 mm) wide and 112.5 feet (34.3 m) long, and 54 inches (1370 mm) wide and 100 feet (2540 mm) long.

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

The Trowel Trades Accessories, Ltd., products described in this report must be installed in accordance with IBC Sections 2510.3 and 2511.1.1 and IRC Section R703.6, with the long dimension perpendicular to supports, except that at gable walls on exterior installations, the lath may be installed with the long dimension parallel to the roof slope.

**4.2 Welded Stucco Wire 17 Gauge (1.5" x 1.5"):**

The lath may be applied to vertical surfaces of wood or metal framing. The maximum spacing of supports must be in accordance with ASTM C1063 for 1.4 pound per square yard (0.7596 kg/m<sup>2</sup>) woven wire lath. Fastener type and spacing must comply with ASTM C1063 for woven wire lath, except that the fasteners must attach the lath to the framing supports either at the furring crimps on the vertical cross wires, or at the intersection of the longitudinal wire and cross wire. The lath must be lapped a minimum of one mesh at sides. End laps must be a minimum of one mesh and must occur over supports.

**4.3 Welded Stucco Wire 16 Gauge (2" x 2"):**

The lath may be applied to vertical surfaces of wood or metal framing. The maximum spacing of supports must be in accordance with ASTM C1063 for 1.4 pound per square yard (0.7596kg/m<sup>2</sup>) woven wire lath. Fastener type and spacing must comply with ASTM C1063 for woven wire lath, except that the fasteners must attach the lath to the

framing supports either at the furring crimps on the vertical cross wire, or at the intersection of the longitudinal wire and cross wire.

## 5.0 CONDITIONS OF USE

The welded stucco wire (1.5" x 1.5") and (2" x 2") plaster 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, subject to the following conditions:

- 5.1 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.
- 5.2 Use of the exterior plaster wall coatings incorporating the welded stucco wire to provide racking shear resistance and wall bracing is beyond the scope of this report. Wall bracing is provided in accordance

with IBC Section 2308.9.3 or 2308.12 or IRC Section R602.10 or R602.11.1.

- 5.3 Use of exterior plaster wall coatings incorporating the welded stucco wire in fire-resistance-rated construction is beyond the scope of this report.

## 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

Each roll of lath is identified by a label bearing the name and address of Trowel Trades Accessories, Ltd., the product name, the evaluation report number (ESR-1808), and a description of the product (wire gauge, lath opening size, roll width, and roll length).