Designation: ~~C933 – 14~~ C933 – 18

Standard Specification for Welded Wire Lath[1]

This standard is issued under the fixed designation C933; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ε) indicates an editorial change since the last revision or reapproval.

1. Scope*

1.1 This specification covers welded wire lath, flat or self-furring, with or without backing, designed for use as a base to receive portland cement-based interior plaster and exterior stucco.

1.2 The values stated in inch-pound units are to be regarded as standard. The values given in parentheses are mathematical conversions to SI units that are provided for information only and are not considered standard.

1.3 *This international standard was developed in accordance with internationally recognized principles on standardization established in the Decision on Principles for the Development of International Standards, Guides and Recommendations issued by the World Trade Organization Technical Barriers to Trade (TBT) Committee.*

2. Referenced Documents

2.1 *ASTM Standards:*[2]

A641/A641M Specification for Zinc–Coated (Galvanized) Carbon Steel Wire

C11 Terminology Relating to Gypsum and Related Building Materials and Systems

E2556/E2556M Specification for Vapor Permeable Flexible Sheet Water-Resistive Barriers Intended for Mechanical Attachment

2.2 *Federal Specifications:*

UU-B-790 Building Paper, Vegetable Fiber: (Kraft, Waterproofed, Water Repellent and Fire Resistant)[3]

3. Terminology

3.1 Definitions of terms used in this standard shall be in accordance with Terminology C11.

4. Materials and Manufacture

4.1 Welded wire lath shall be fabricated from not less than 0.0625 in. (1.588 mm), cold-drawn, galvanized steel wire, conforming to Specification A641/A641M.

4.1.1 Diameter tolerance for galvanized wire shall be in accordance with Specification A641/A641M.

4.1.2 The wire shall be zinc-coated (galvanized) in accordance with Specification A641/A641M.

4.1.3 The ~~backing~~ factory-attached water-resistive barrier shall conform to Federal Specification ~~UU-B-790.~~ UU-B-790 or ASTM Specification E2556/E2556M. The ~~backing~~ water-resistive barrier shall be either absorptive or water resistant. The ~~backing~~ water-resistive barrier shall have a bursting strength of not less than that required to maintain integrity under normal hand- or machine-application pressures.

4.1.4 The ~~backing~~ factory-attached water-resistive barrier shall be attached to the lath to prevent accidental removal during shipping, handling or installation. Attachment of the ~~backing~~ water-resistive barrier shall allow lapping of wire-to-wire and ~~backing-to-backing~~ water-resistive barrier to water-resistive barrier of not less than one mesh at ends and edges and shall permit full embedment, in not less than ¼ in. (6 mm) of plaster, of not less than one-half of the total length and width of the wire.

4.1.5 The thickness of the embedment of the lath and plaster shall be measured from the back plane of the back wire, exclusive of furring, to the ~~backing~~ water-resistive barrier or surface of the substrate.

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[1] This specification is under the jurisdiction of ASTM Committee C11 on Gypsum and Related Building Materials and Systems and is the direct responsibility of Subcommittee C11.02 on Specifications and Test Methods for Accessories and Related Products.

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[2] For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.

[3] Available from Standardization Documents Order Desk, Bldg. 4 Section D, 700 Robbins Ave., Philadelphia, PA 19111-5094, Attn: NPODS.

***A Summary of Changes section appears at the end of this standard**