



Standard Specification for Woven Wire Plaster Base¹

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1. Scope*

1.1 This specification covers woven wire plaster base, flat or self-furring, with or without stiffener wires, and with or without backing, designed for use as a base to receive gypsum or portland cement based plaster.

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 The text of this standard references notes and footnotes which provide explanatory material. These notes and footnotes (excluding those in tables and figures) shall not be considered as requirements of the standard.

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](#)

2.2 *Federal Specifications*:

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

[UU-P-31 B/171 Tensile Breaking Strength \(Dry\)](#)³

3. Terminology

3.1 *Definitions*—Definitions shall be in accordance with Terminology [C11](#).

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 U.S. Government Printing Office Superintendent of Documents, 732 N. Capitol St., NW, Mail Stop: SDE, Washington, DC 20401, <http://www.access.gpo.gov>.

4. Material

4.1 In accordance with Specification [A641/A641M](#) and [Table 1](#).

4.2 *Kraft Building Paper*, Federal Specification UU-B-790a.

5. Physical Properties

5.1 *Backing*:

5.1.1 Factory attached backing shall provide a one mesh wire to wire lap joint at one end and one edge of each flat sheet or roll. Attachment of the backing shall allow lapping of wire-to-wire and backing-to-backing of one mesh at ends and edges and shall permit full embedment in not less than ¼ in. (6.4 mm) of plaster of not less than one half the total length and width of the wire.

5.1.2 Backing shall have a minimum tensile breaking strength (dry) of 20 lbf/in. (3.5 kN/m) width, as tested in accordance with Federal Specification UU-P-31 B, Method 171.

6. Dimensions, Weight, and Permissible Variations

6.1 *Openings*:

6.1.1 Woven wire plaster base shall be fabricated to provide the size of openings in accordance with [Table 1](#), except that any single opening shall be not more than 3.0 in.² (1935.5 mm²).

6.1.2 Wire diameter for opening size shall be in accordance with [Table 1](#).

6.2 Diameter tolerance for galvanized wire shall be in accordance with Specification [A641/A641M](#).

6.3 The wire shall be zinc-coated (galvanized) in accordance with Specification [A641/A641M](#).

6.4 Weight for woven wire plaster base shall be in accordance with [Table 1](#).

6.5 When included as part of the woven wire plaster base, factory fabricated stiffener wires shall have a diameter not less than that specified in [Table 1](#) and shall be continuous, parallel to the long dimension of the plaster base, and shall occur at not more than 6-in. (154.4-mm) intervals.

6.6 Factory fabricated crimps for self-furring woven wire plaster base shall provide a nominal ¼-in. (6.4-mm) separation between the back plane of the plaster base and the surface of solid backing to permit embedment in both directions.

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

TABLE 1 Nominal Diameter and Minimum Weight for Size of Opening

Opening Size, in. (mm)	Diameter, in. (mm)	Weight, lb/yd ² (kg/m ²) ^A
1 (25.4)	0.035 (0.89)	0.86 (0.466)
1½ (38.0)	0.051 (1.30)	1.40 (0.760)

^A The weight of attached backing is not included.

6.7 Width of woven wire plaster base shall be not less than 36 in. (914 mm).

6.8 Length of woven wire plaster base shall be in accordance with **Table 2**.

7. Inspection

7.1 Inspection of the material shall be agreed upon between the purchaser and the producer or supplier as part of the purchase agreement.

8. Rejection and Rehearing

8.1 Material that fails to conform to the requirements of this specification shall be reported to the producer or supplier promptly and in writing. The notice of rejection shall contain a statement documenting how the product has failed to conform to the requirements of the specification.

TABLE 2 Minimum Length of Flat Sheets and Rolls^A

Flat Sheets	100 linear in. (2.540 m)
Rolls	150 linear ft. (45.72 m)
Rolls, with backing	100 linear ft. (30.48 m)

^A Allowable variations shall be not more than $-\frac{3}{4}$ in. (–19.0 mm) in width or length.

9. Certification

9.1 When specified in the purchase order or contract, the producer or supplier shall furnish a report certifying that at the time of shipment, the materials were in compliance with the requirements of this specification.

10. Packaging and Package Marking

10.1 *Packaging*—Woven wire plaster base shall be packaged in bundles, rolls or pallets.

10.2 *Marking*—Unless otherwise required by the purchase agreement, lath shall have legibly marked thereon the following: the product description; the name of the manufacturer or distributor, country of origin and contact information; the brand name (if any); and the ASTM designation for the product.

10.2.1 Each bundle or roll of lath with no backing shall be marked with metal or paper tags securely attached to the bundles or with metal tags, paper tags, plastic or metal banding or paper wrapping on rolls.

10.2.2 Each flat sheet and roll of lath with backing shall be marked on the backing material.

10.2.3 The quantity for flat sheet bundles shall be square yards and number of sheets per bundle marked with metal or paper tags on the pallet or bundle. Rolls shall be marked with metal tags, paper tags, plastic or metal banding or paper wrapping on rolls. The marking for flat sheets and rolls shall indicate the mesh-opening size and wire thickness of rolls.

11. Keywords

11.1 backing; base; cement plaster; flat; gypsum plaster; plaster; self-furnishing; woven wire

SUMMARY OF CHANGES

Committee C11 has identified the location of selected changes to this standard since the last issue (C1032–06(2011)) that may impact the use of this standard. (Approved June 1, 2014.)

(1) Revised section 10.2.

(2) Added new sections 10.2.1, 10.2.2, and 10.2.3.

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