



Designation: C1032 – 06(Reapproved 2011)

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 the standard. The SI equivalents of inch-pound units are approximate.

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 Resistant³

UU-P-31 B/171 Tensile Breaking Strength (Dry)³

3. Terminology

3.1 *Definitions*—Definitions shall be in accordance with Terminology C11.

4. Material

4.1 In accordance with Specification A641/A641M and Table 1.

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.

4.2 *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.

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.

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