



Designation: C1032 – 06

Standard Specification for Woven Wire Plaster Base¹

This standard is issued under the fixed designation C1032; 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 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, Water-proofed, 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**.

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

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.

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) ⁴
1 (25.4)	0.035 (0.89)	0.86 (0.466)
1½ (38.0)	0.051 (1.30)	1.40 (0.760)

⁴The weight of attached backing is not included.

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.