Designation: C 1032 – 96 (Reapproved 2002)

Standard Specification for Woven Wire Plaster Base[1]

This standard is issued under the fixed designation C 1032; 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:*

A 641 Specification for Zinc-Coated (Galvanized) Carbon Steel Wire[2]

C 11 Terminology Relating to Gypsum and Related Building Materials and Systems[3]

2.2 *Federal Specifications:*

UU-B-790a Building Paper, Vegetable Fiber: Kraft, Waterproofed, Water Repellent and Fire Resistant[4]

UU-P-31 B/Gen. Paper; General Specifications and Methods of Testing[4]

UU-P-31 B/171 Tensile Breaking Strength (Dry)[4]

3. Terminology

3.1 *Definitions*—Definitions shall be in accordance with Terminology C 11.

4. Material

4.1 In accordance with Specification A 641 and Table 1.

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

TABLE 1 Minimum Wire Diameter for Size of Opening

Opening Size, in. (mm)	Wire Diameter, in. (mm)
1 (25.4)	0.035 (0.89)
1½ (38.0)	0.0510 (1.295)

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 mm^2).

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 Table number 2 of Specification A 641.

6.3 Weight for woven wire plaster base shall be in accordance with Table 2.

6.4 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.

6.5 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.

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

6.7 Length of woven wire plaster base shall be in accordance with Table 3.

[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.

Current edition approved May 10, 1996. Published July 1996. Originally published as C 1032 – 85. Last previous edition C 1032 – 95$^{\epsilon 1}$.

[2] *Annual Book of ASTM Standards*, Vol 01.06.

[3] *Annual Book of ASTM Standards*, Vol 04.01.

[4] Available from U.S. Government Printing Office Superintendent of Documents, 732 N. Capitol St., NW, Mail Stop: SDE, Washington, DC 20401.

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