



# Standard Specification for Woven Wire Plaster Base<sup>1</sup>

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:<sup>2</sup>

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

C 11 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<sup>3</sup>

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

## 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.<sup>2</sup> (1935.5 mm<sup>2</sup>).

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 A 641.

6.3 The wire shall be zinc-coated (galvanized) in accordance with Specification A 641.

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

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).

<sup>1</sup> 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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<sup>2</sup> 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.

<sup>3</sup> 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.

**TABLE 2 Minimum Weight for Size of Opening<sup>A</sup>**

Opening Size, in. (mm)	Weight per Square Yard, lb/yd <sup>2</sup> (kg/m <sup>2</sup> )
1 (25.4)	0.86 (0.466)
1½ (38.0)	1.40 (0.760)

<sup>A</sup> The weight of attached backing is not included.

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

## 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

**TABLE 3 Minimum Length of Flat Sheets and Rolls<sup>A</sup>**

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

<sup>A</sup> Allowable variations shall be not more than  $\pm \frac{3}{4}$  in. ( $\pm 19.0$  mm) in width or length.

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.

## 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*—When shipped for sale or resale, the name of the producer or the supplier and the brand and description of the contents shall be legibly marked on each pallet, bundle or roll. The quantity for bundles shall be square yards and number of sheet per bundle. The quantity for pallets, bundles or rolls shall indicate the mesh-opening size and wire thickness.

## 11. Keywords

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

## SUMMARY OF CHANGES

Committee C11 has identified the location of selected changes to this specification since the last issue, C 1032 – 96(2002), that may impact the use of this specification. (Approved May 1, 2004)

(1) Revised paragraph 6.2.

(2) Added new paragraph 6.3 and renumbered subsequent paragraphs.

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