

A-A-1035A  
 February 13, 1987  
 SUPERSEDING  
 A-A-1035  
 April 17, 1980

### COMMERCIAL ITEM DESCRIPTION

#### WIRE FABRIC (Hardware)

The General Services Administration has authorized the use of this commercial item description in preference to Federal Specification RR-W-370B.

This commercial item description covers galvanized, carbon steel wire fabric suitable for barriers, enclosures, material screens and other common hardware applications.

Salient characteristics. Unless otherwise specified, the wire fabric design, dimensions, finish and testing shall be in accordance with ASTM A740. In the event that a conflict arises between this commercial item description and standards referenced herein, this commercial item description shall govern.

Mesh size. The wire fabric shall be supplied in sizes I, II, III, and IV as specified in Table I.

TABLE I.

SIZE	MESHES PER INCH	MESH SIZE (inches)	DIAMETER OF WIRE AFTER GALVANIZING (inches)	WEIGHT AFTER GALVANIZING (lb/100 sq ft)
I	2x2	1/2 X 1/2	0.041	27
II	3x3	1/3 X 1/3	0.0317	26
III	4x4	1/4 X 1/4	0.0258	25
IV	8x8	1/8 X 1/8	0.0173	22

1/ Dimensional tolerances shall be in accordance with section 6 of ASTM A740 except weight after galvanizing shall be  $\pm 10\%$ .

Mesh type. The mesh design shall be plain weaved or welded square mesh as specified.

Crimp type. The wire fabric shall be double crimped at the mesh intersections to lock the wires into place.

Length. The minimum length of the wire fabric roll shall be 100 feet.

Width. The wire fabric shall be supplied in widths of 24, 30, 36 and 48 inches as specified.

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Zinc coating. Unless otherwise specified, after fabrication, the wire fabric shall be hot-dipped in accordance with ASTM A153 and the coating weight shall conform with 5.6 of ASTM A740. When specified the wire fabric shall electroplated with zinc in accordance with ASTM B633, and the coating shall be not less than 5 percent of the bare steel weight.

Edges. Both edges of the wire fabric shall be selvaged to prevent unraveling.

Workmanship. The wire fabric shall be free from imperfections which may impair its serviceability or affect its performance.

Responsibility for inspection. Unless otherwise specified in the contract or purchase order, the contractor is responsible for the performance of all inspection requirements as specified herein. Except as otherwise specified in the contract or order, the contractor may use his own or any other facilities suitable for the performance of the inspection requirements specified herein, unless disapproved by the Government. The Government reserves the right to perform any of the inspections set forth in the specification where such inspections are deemed necessary to assure that supplies and services conform to prescribed requirements.

Sampling.

Lot. All rolls of wire fabric of the same size, and width presented for acceptance at one time shall be considered a lot for purposes of inspection.

Sampling for quality conformance examination. A random sample of wire fabric rolls shall be selected from each lot in accordance with MIL-STD-105 special inspection level S-2, AQL 6.5 expressed in terms of percent defective.

Sampling for tests. Samples shall be selected in accordance with the applicable ASTM standard.

Visual and dimensional inspection. The sample rolls shall be visually and dimensionally examined to verify compliance with this specification.

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Certification of base material, coating material and coating weight. When specified in the contract or purchase order, a certificate of conformance may be furnished in lieu of actual testing on a lot by lot basis providing that:

- (1) Objective evidence dated not more than two (2) years prior to the date of the start of the contract as described in the solicitation or date of the purchase order as applicable shall be available.
- (2) Tests specified in the industry standards referenced herein have been performed by an independent test facility acceptable to the Government.
- (3) That the product being offered is the same type and grade of abrasive and backing material and has been manufactured using the same material, processes and manufacturing techniques as the product tested.

Examination for preparation for delivery. A random sample of unit, intermediate and shipping containers (as applicable) shall be selected from each lot and examined for conformance with the preservation, packaging, packing, labeling and marking required in the contract or order. Samples shall be selected in accordance with MIL-STD-105, Inspection level II, AQL 6.5 expressed in terms of defects per hundred unit.

Regulatory requirements. In accordance with section 23.403 of the Federal Acquisition Regulations, the Government's policy is to acquire items composed of the highest percentage of recovered materials practicable, consistent with maintaining a satisfactory level of competition without adversely affecting performance requirements or exposing suppliers' employees to undue hazards from the recovered materials.

Preservation, packaging, packing, labeling, and marking (Civil Agencies). The preservation, packaging, packing, labeling, and marking shall be as specified in the contract or order.

Packaging (DOD). The packaging shall be in accordance with ASTM Standard D3951.

Notes.

Purchaser should specify size (I, II, III or IV), roll width, quantity of rolls, woven or welded construction electroplated zinc coating (if required), and if certification of testing is acceptable.

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ASTM Standards are available from the American Society for Testing and Materials, 1916 Race St., Philadelphia, PA 19103.

The standards referenced in this document shall be the issues in effect on the date of the invitation for bids or request for quotation shall be used to determine compliance with these requirements. In the event that there is a conflict between this document and a standard referenced herein, this document shall govern.

**MILITARY INTERESTS:**

Assignee Activity:

DLA - ME

Custodians:

Army - ME

Navy - YD

Air Force - 99

Review Activities:

DLA - IS

User Activities:

Army - ME

**PREPARING ACTIVITY:**

GSA-FSS

Civilian Reviewing Activity:

VA - OSS

Commerce - NBS