

DEPARTMENT OF COMMERCE  
BUREAU OF STANDARDS  
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UNITED STATES GOVERNMENT MASTER SPECIFICATION FOR  
BUNTING, WOOL

FEDERAL SPECIFICATIONS BOARD SPECIFICATION No. 497

This specification was officially promulgated by the Federal Specifications Board on June 10, 1927, for the use of the departments and independent establishments of the Government in the purchase of wool bunting.

[The latest date on which the technical requirements of this specification shall become mandatory for all departments and independent establishments of the Government is September 10, 1927. They may be put into effect, however, at any earlier date after promulgation.]

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I. GENERAL SPECIFICATIONS

United States Government general specifications for textile materials, Federal Specifications Board specification No. 345, in effect on date of proposal, wherever applicable, shall form part of this specification.

II. GRADE

The bunting shall be one grade only and that grade shall be known commercially as "firsts."

### III. MATERIAL

The bunting shall be made of wool spun on the worsted system of manufacture. It shall be as free as practicable from avoidable imperfections of manufacture.

### IV. GENERAL REQUIREMENTS

See Detail requirements.

### V. DETAIL REQUIREMENTS

1. **WEAVE.**—The weave shall be plain.
2. **WIDTH.**—The width shall be 18 or 36 inches, or as specified. If not specified, 36-inch shall be furnished. A tolerance of plus or minus 1 per cent will be permitted.
3. **LENGTH OF BOLT OR ROLL.**—The bolt shall average not less than 40 yards in length. Any commercial length over 35 yards will be acceptable.
4. **WEIGHT.**—The weight per square yard shall be not less than 4.2 ounces.
5. **THREADS PER INCH.**—The threads per inch shall be not less than 32 in the warp and 34 in the filling.
6. **PLY.**—The warp shall be 2 ply and the filling single ply.
7. **STRENGTH.**—The breaking strength (grab method) shall be not less than 35 pounds per inch in the warp and 25 pounds per inch in the filling.
8. **COLOR.**—The color shall conform in hue to the standard sample available on request. This sample shall be used in comparing the hue of the color. The bunting shall be evenly dyed and show good fastness to crocking and fair fastness to light, fresh water, and salt water. Bleeding of color shall not occur during the fresh-water and salt-water tests.

### VI. METHODS OF SAMPLING AND TEST

1. **SAMPLING.**—In purchases of 10,000 yards or less, a sample shall be taken from each 1,000 yards; 10,000 yards and over, a sample shall be taken from each one-tenth of the shipment. The sample shall be at least one-half yard long by the width of the material.
2. **FASTNESS TESTS.**—(a) *Crocking.*—No discoloration shall occur on a white fabric when the sample is rubbed against it.  
(b) *Light.*—Expose specimen to the action of an ultra-violet light for 30 hours. Compare with the original sample and classify as good, fair, or poor.  
(c) *Water.*—Braid a narrow strip with white material and immerse in clear water at room temperature. After 24 hours remove and dry

in air. Compare with original and classify as good, fair, and poor fastness. Also note if bleeding of the color into the white occurs.

(d) *Salt water*.—Proceed as with fresh water, using a 4 per cent solution of sodium chloride and one-half of 1 per cent magnesium chloride in water.

## VII. PACKING AND MARKING OF SHIPMENTS

Shall be in accordance with the best commercial practice unless otherwise specified.

## VIII. NOTES

1. Bunting is used in making flags and signals.
2. This specification is based on War Department specification No. 8-2A.

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