

[METRIC]

A-A-1051C  
November 1, 1995  
SUPERSEDING  
A-A-1051B  
November 2, 1992

## COMMERCIAL ITEM DESCRIPTION PAPERBOARD, WRAPPING AND CUSHIONING

The General Services Administration, Federal Supply Service, has authorized the use of this commercial item description as a replacement to Type I, Style I and Type III, Style I of Federal Specification PPP-P-291 which is cancelled

1. **SCOPE:** This commercial item description covers the requirements for singleface corrugated paperboard with backing sheet used for wrapping and cushioning.

2. **CLASSIFICATION:**

Type I - Light Duty  
Type II - Heavy Duty

3. **SALIENT CHARACTERISTICS:**

The wrapping paperboard shall be constructed in accordance with the requirements outlined herein

3.1 The paperboard shall be fabricated from unbleached paper.

3.2 **Basis Weight:** The backing sheet shall have a minimum basis weight of 89 g/m<sup>2</sup> (55lbs. 24 X 36 -500) and a maximum basis weight of 162 g/m (100 lbs 24 x 36-500) tested in accordance with TAPPI Method T-410.

3.3 **Flute** The corrugating medium shall be B flute, 164 flutes per meter (50 flutes per linear foot), plus or minus 3 flutes.

3.4 **Adhesive:** The adhesive shall be capable of holding the backing sheet and the corrugated cushioning material intact when the material is flexed 180 degrees in any direction.

3.5 **Thickness:** The thickness of the combined board shall be 2.03 mm (0.08 inches) minimum, 3.30 mm (0.13 inches) maximum, tested in accordance with TAPPI Method T411.

Beneficial comments, recommendations, additions, deletions, clarifications etc and any data which may improve this document should be sent to	General Services Administration Federal Supply Service, Engineering Branch(2FYEE), 26 Federal Plaza, New York, NY 10278
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FSC 8135

3.6 **Bursting Strength** The bursting strength of the combined board shall be tested in accordance with Tappi T-807

Type I, Light duty 241 kilopascals (35 pounds per square inch) +/- 10.6%

Type II, Heavy duty - 345 kilopascals (50 pounds per square inch) +/- 10.6%

3.7 **Form** The paperboard, wrapping and cushioning shall be furnished in sheet or roll form as specified in the contract or order. The sheets shall be furnished in the specified size with a tolerance of plus or minus 1/8 inch. Rolls shall be furnished in the specified width with a tolerance of plus or minus 1/8 inch (3.18 mm). The rolls shall contain not more than two splices and shall be 250 (76.2 meters) feet in length with a tolerance of minus 1 foot (30.5 cm), plus unlimited

3.8 **Workmanship** The paperboard shall be free of holes, tears, cuts, wrinkles, or folds and shall be free from any other defects which may adversely affect its utility or serviceability

#### 4. **REGULATORY REQUIREMENTS:**

**Certification** The contractor shall certify that the product offered shall include a minimum of 80% postconsumer recovered materials, in accordance with 40 CFR pt.250. The Government reserves the right to require proof of such conformance prior to first delivery and thereafter as may be otherwise provided for under the provisions of the contract.

#### 5. **QUALITY ASSURANCE PROVISIONS:**

5.1 **Contractor Certification** The contractor shall certify and maintain substantiating evidence that the product offered meets the salient characteristics of this Commercial Item Description, and that the product conforms to the producer's own drawings, specifications, standards, and quality assurance practices. The government reserves the right to require proof of such conformance prior to the first delivery and thereafter as maybe otherwise provided for under the provisions of the contract

5.2 **Inspection & Sampling** Suppliers are encouraged to use quality control (QC) techniques that exhibit control over their processes (e.g. (Statistical Process Control) SPC techniques) as defined in American National Standards Institute (ANSI) Z1.1, Z1.2 and Z1.3/ American Society for Quality Control (ASQC) B.1, B.2 and B.3 that systematically reduce excess variations. Objective evidence shall be available that demonstrates overall measurement adequacy techniques and controls. These techniques shall ensure quality levels equal to, or greater than, those cited in applicable technical document or, herein.

End item inspection/testing may be used by the offeror or the Government representative, as a means to determine the effectiveness of the in process quality controls. In process controls shall not be substituted for end item performance testing

For those characteristics for which there are no such controls, or for end item performance test, lot by lot sampling for inspection/test shall be required. Sampling shall be in accordance with (ANSI)/(ASQC) Z1.4. An inspection lot shall consist of all like items submitted for inspection at one time. The sample unit shall be one roll or one sheet. The inspection level shall be S-2 with an AQL of 4% defective for visual, dimensional and workmanship.

The supplier must provide objective evidence (tests and inspection records) that the presented material meets the requirements of the sampling plan as indicated above.

**5.3 Testing** The component material (backing sheet) shall be tested for the basis weight in accordance with TAPPI T-410. Since the backing sheet is joined together to form the end product and cannot be separated for end item testing, test results from each lot of material may be accepted from the manufacturer for this requirement.

**6. PACKAGING, PACKING, LABELING, MARKING, AND PALLETIZATION:**

Packaging, packing, labeling, marking and, palletization shall be as specified in the contract or order.

**7. NOTES:**

**7.1 Referenced Documents** The issue of the referenced documents in effect on the date of the solicitation for offers or request for proposals shall be used to determine conformance with the requirements of this Commercial Item Description.

7.1.1 TAPPI test methods are available from

Technical Association of the Pulp and Paper Industry,  
Technology Park/Atlanta, P.O. Box 105113, Atlanta, GA 30348  
(404) 446-1400

7.1.2 ANSI/ASQC is available from.

American Society for Quality Control  
P.O. Box 3005, 611 E. Wisconsin Avenue, Milwaukee,  
WI 53201-4606

7.1.3 40 CFR pt. 250 - Guidelines for Federal procurement of paper and paper products containing recovered materials

(The Code of Federal Regulations (CFR) and Federal Register (FR) are for sale on a subscription basis by the Superintendent of Documents, US Government Printing Office, Washington, DC 20402. When indicated, reprints of certain regulations may be obtained from the Federal agency responsible for issuance thereof.)

7.2 Ordering Data Purchasers should select the preferred options permitted herein, and include the following information in procurement documents

- (1) Type
- (2) Roll or sheet form
- (3) Length and width (sheets)
- (4) Width (rolls)
- (5) Packaging, packing, labeling, marking and, palletization requirements

**MILITARY INTERESTS**

**PREPARING ACTIVITY:**

**MILITARY COORDINATING ACTIVITY:**

GSA-FSS

Army - GL

**CUSTODIANS**

Army - GL

Navy - SA

Air Force - 69

**REVIEW ACTIVITIES**

Army - MD

Air Force - 71, 99

**USER ACTIVITIES**

Army - MT

Navy - MC