

INCH-POUND

A-A-55057A  
30 December 1994  
SUPERSEDING  
A-A-55057  
March 25, 1991

## COMMERCIAL ITEM DESCRIPTION

## PANELS, WOOD/WOOD BASED; CONSTRUCTION AND DECORATIVE

The General Services Administration has authorized the use of this commercial item description as a replacement for Federal specification NN-P-530E(2), commercial item description A-A-1417A, and commercial item description A-A-2205, which are cancelled.

1. SCOPE. This commercial item description covers generic wood and wood based panel products.
2. CLASSIFICATION. The panels shall be of the following types (see notes for typical uses of these panels):
  - 2.1 TYPE A - Construction and Industrial Plywood: Conventional plywood (laminated wood veneers) manufactured in accordance with U.S. Product Standard PS 1, Construction and Industrial Plywood (see notes).
  - 2.2 TYPE B - Structural-Use Panels: Panels manufactured in accordance with U.S. Product Standard PS 2, Performance Standard for Wood-Based Structural-Use Panels, American Plywood Association (APA) PRP-108, Performance Standards and Policies for Structural-Use Panels; Timber Engineering Company (TECO) PRP-133, Performance Standards and Policies for Structural-Use Panels; or American National Standards Institute (ANSI) A208.1, Particleboard (see notes).
  - 2.3 TYPE C - Hardwood and Decorative Plywood manufactured in accordance with Hardwood Plywood and Veneer Association (HPVA) Product Standard HPVA HP-1, Standard for Hardwood and Decorative Plywood (see notes).

Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to: Defense Construction Supply Center, P.O. Box 3990, ATTN: DCSC-VSS, Columbus, Ohio 43216-5000, by using the self-addressed Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

AMSC N/A

FSC 5530

DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.

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3. SALIENT CHARACTERISTICS.

3.1 Description. Panels covered by this commercial item description shall conform to the requirements of the applicable product standards as specified for Type A, Type B, or Type C panels.

3.2 Species. The species, species group, number of plies, sanding, exposure capability, span rating, core construction, grade, dimensions, and quantity as applicable shall be as specified and in accordance with the applicable product standard (see notes).

3.3 Preservative or fire-treated panels. Preservative or fire-retardant treated panels shall be treated in accordance with the requirements of the American Wood Preservers' Association (AWPA) standards C9 or C27 and TT-W-571 or MIL-L-19140 as specified (see notes).

3.4 Panel marking and/or certification. All panels shall be marked and/or certified as required by the applicable product standard.

3.5 Referenced Documents. Unless otherwise specified, the documents referenced in this commercial item description shall be the issues in effect on the date of the invitation for bids or request for proposal.

4. REGULATORY REQUIREMENTS.

4.1 Recovered materials. The offeror/contractor is encouraged to use recovered materials for strapping and edge protectors to the maximum extent practicable, in accordance with paragraph 23.403 of the Federal Acquisition Regulation (FAR).

4.2 Metric products. Products manufactured to metric dimensions will be considered on an equal basis with those manufactured using inch-pound units, provided they fall within specified tolerances using conversion tables contained in the latest revision of FED-STD-376, and all other requirements of this commercial item description are met.

4.2.1 If a product is manufactured to metric dimensions and those dimensions exceed the tolerances specified in the inch/pound units, a request should be made to the contracting officer to determine if the product is acceptable.

4.2.2 The contracting officer has the option of accepting or rejecting the product.

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

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quality assurance practices and is the same product offered for sale in the commercial marketplace. 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.

## 6. PACKAGING.

### 6.1 General requirements.

6.1.1 Panels shall be packed in unitized loads containing panels of only one thickness, width, length, and description.

6.1.2 Units shall have a minimum of two floor bearings or two unit separation pieces, minimum three inches (actual) (7.62 cm) thickness running across the width of the unitized load.

6.1.3 Strapping shall be: (a) Flat, coated, heavy duty steel in accordance with ASTM D 3953, Type 1, minimum 3/4 inch wide (1.91 cm), with a minimum breaking strength of 2,000 pounds (907 kg), or (b) Extra heavy duty polyester cord in accordance with ASTM D 3950, Type 1A, minimum 3/4 inch wide, with a minimum breaking strength of 1,830 pounds (830 kg). Strap connectors e.g., seals and buckles shall have a minimum of 75 percent (%) joint efficiency and shall be applied and tensioned in accordance with manufacturers instruction. Extruded plastic strapping is not permitted.

6.1.4 Moisture content requirements apply at time of delivery to first destination, regardless of mode of transportation or packing level.

6.2 Packing (Unitization). Packing shall be level C unless otherwise specified in the contract or ordering data.

6.2.1 Packing Level A. Units shall be completely wrapped, leaving the bottom exposed, with any commercial grade, opaque, waterproof wrap. Non-porous polyethylene or similar material is not permitted.

6.2.1.1 Wood/Wood based waster sheets, 1/4 inch (0.64 cm) thick minimum, shall completely cover the top and bottom of each unit.

6.2.1.2 Bundles shall be strapped with a minimum of two girthwise straps. Overseas shipments and units greater than eight feet will require one additional girthwise and one longitudinal strap.

6.2.1.3 Metal, 1/32 inch (0.79 mm) minimum thick, or plastic, 3/32 inch (2.38 mm) minimum thick, edge protectors are required under steel straps.

6.2.2 Packing Level B. Packing shall be the same as level A, except units shall be wrapped or supplied with wood/wood based waster sheets at the option of the supplier.

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6.2.3 Packing Level C. Panels shall be packed in accordance with ASTM D 3951. The manner of packing shall assure carrier acceptance and safe arrival at destination in compliance with the Uniform Freight Classification or the National Motor Freight Classification Rules, as applicable.

6.2.4 Marking. Unless otherwise specified, marking for shipment of material procured by Department of Defense activities shall be in accordance with MIL-STD-129. Unless otherwise specified, marking for shipment of material procured by other Government agencies shall be in accordance with FED-STD-123. Additional marking shall be as specified in the contract or order. Shipments made in accordance with this commercial item description shall not require "BAR CODE" markings unless specified by the ordering activity.

### 6.3 Definitions.

6.3.1 Level A packing is suggested for overseas shipments of high grade panels and decorative panels.

6.3.2 Level B packing is suggested for domestic shipments of high grade panels and decorative panels.

6.3.3 Level C packing is suggested for all other shipments.

## 7. NOTES.

### 7.1 Typical Uses:

7.1.1 TYPE A - Conventional laminated veneer panels have many uses including furniture, concrete forms, boats, containers, flooring, siding, sheathing, and general construction. Care should be taken by the ordering activity to specify plywood grades commensurate with their intended end-use.

7.1.2 TYPE B - Panels are primarily intended for such uses as subflooring, roof/wall sheathing, and siding. Panels may also be suitable for use as containers. They may be made from wood veneers (not necessarily in accordance with PS 1) or reconstituted wood, e.g., oriented strand board (OSB) and may generally be substituted for Type A panels for these uses often at a lower price (see ordering data).

7.1.3 TYPE C - Panels are primarily intended for use as decorative wall panels or stock panels for furniture.

### 7.2 Ordering Information.

7.2.1 Purchaser should specify the number, title, and date of this commercial item description.

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7.2.2 Purchaser should specify, as applicable, the species, species group, number of plies, sanding, exposure capability (e.g., interior or exterior), span rating, core construction, preservative treatment, packing level when other than level C, grade, dimensions, and quantity of panels.

7.2.3 When ordering Type A panels, and it has been determined that equivalent Type B panels may be substituted, it shall be so stated in the contract or order.

7.2.4 When ordering preservative or fire-retardant treated panels, the type of preservative, use conditions, and type (interior or exterior) fire-retardant shall be specified (see salient characteristics). Care should be taken to ensure that panels are of a type/grade compatible with desired treatment.

7.3 Source of Documents.

7.3.1 TT-W-571, MIL-L-19140, FED-STD-123, FED-STD-376, and MIL-STD-129 are available from the Defense Printing Service Detachment Office, Building 4D (Customer Service), 700 Robbins Avenue, Philadelphia, PA 19111-5094.

7.3.2 U.S. Product Standards PS 1 and PS 2 are available from the Office of Standards Services, Department of Commerce, Voluntary Products Standards, Gaithersburg, MD 20899, telephone 301-975-4025.

7.3.3 Copies of the following documents are stocked at the Defense Printing Service Detachment Office, Building 4D (Customer Service), 700 Robbins Avenue, Philadelphia, PA 19111-5094, for issue to DoD activities only. All other requestors must obtain documents from the applicable non-Government standard body:

7.3.3.1 APA PRP-108 is available from the American Plywood Association, 7011 South 19th Street, P.O. Box 11700, Tacoma, WA 98411-0700.

7.3.3.2 TECO PRP-133 is available from the Timber Engineering Company, 2402 Daniels Street, Madison, WI 53704.

7.3.3.3 ANSI A208.1 is available from the National Particleboard Association, 18928 Premiere Court, Gaithersburg, MD 20879-1569.

7.3.3.4 HPVA HP-1 is available from the Hardwood Plywood and Veneer Association, 1825 Michael Faraday Drive, P.O. Box 2789, Reston, VA 22090-2789.

7.3.3.5 ASTM D 3950, ASTM D 3951, and ASTM D 3953 are available from the American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103-1187.

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7.3.3.6 AWPA C9 and C27 are available from the American Wood Preservers' Association, P.O. Box 286, Woodstock, MD 21163-0286.

7.4 National Stock Numbers (NSNs).

7.4.1 National Stock Numbers (NSNs) and ordering information may be found in the Defense Logistics Agency (DLA) catalog, "Lumber, Millwork, and Plywood", LMP-XX, available from the Defense Logistics Service Center, DLSC-VPH, Battle Creek, MI 49017-3084.

7.4.2 Activities should refer to applicable product standards for information on available products, uses, and grades in addition to those listed in the DLA catalog. Beneficial product literature is often available at no charge from industry associations.

7.5 Key word listing.

Board, Oriented Strand  
Panels, Fire-Retardant Treated  
Panels, Hardwood  
Panels, Industrial  
Panels, Laminated Veneer  
Panels, Preservative Treated  
Panels, Structural-Use  
Particleboard  
Plywood

MILITARY INTERESTS:

Custodian  
Air Force - 99

Review Activities  
Army - AR, AV, EA, GL, SM  
Navy - MC, YD  
Air Force - 84

CIVIL AGENCY COORDINATING ACTIVITIES:

GSA-FSS  
VA - OSS

MISCELLANEOUS PARTICIPATION:

DS

PREPARING ACTIVITY:

DLA-CS

Project Number 5530-0055

