

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT  
ASSISTANT SECRETARY FOR HOUSING  
FEDERAL HOUSING COMMISSIONER

USE OF MATERIALS  
**Bulletin No. 40c**  
**Date Feb. 15, 1991**

Supersedes Issue  
Dated: June 5, 1975

**SUBJECT: HUD BUILDING PRODUCT STANDARDS AND CERTIFICATION PROGRAM FOR PLYWOOD AND OTHER PERFORMANCE RATED WOOD-BASED STRUCTURAL-USE PANELS**

Members of the HUD staff processing cases and inspecting construction shall use this information in determining acceptability of the subject materials for the use indicated.

This Bulletin should be filed with bulletins on Special Methods of Construction and Materials as required by prescribed procedures. Additional copies may be requisitioned by the Field Offices.

The technical description, requirements and limitations expressed herein do not constitute an endorsement, approval or acceptance by the Department of Housing and Urban Development (HUD/FHA) of the subject matter, and any statement or representation, however made, indicating approval or endorsement by the Department of Housing and Urban Development is unauthorized and false, and will be considered a violation of the United States Criminal Code 18, U.S.C. 709.

Any reproduction of this Bulletin must be in its entirety and any use in sales promotion or advertising is not authorized.

Subject to good workmanship, compliance with applicable codes, and the methods of, application listed herein, the materials described in the bulletin may be considered suitable for HUD Housing Programs, including Housing for the Elderly and Care-Type Housing.

The eligibility of a property under these programs is determined on the property as an entity and involves the consideration of underwriting and other factors not indicated herein. Thus, compliance with the bulletin should not be construed as qualifying the property as a whole, or any part thereof, as to its eligibility for acceptance by HUD.

The methods of application for the materials listed herein are considered a part of the HUD requirements for new construction as set forth in 24 CFR 200.929 and shall remain effective until this bulletin is canceled or superseded.

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HUD BUILDING PRODUCT STANDARDS AND CERTIFICATION **PROGRAM**  
**FOR PLYWOOD AND OTHER PERFORMANCE RATED WOOD-BASED**  
STRUCTURAL-USE PANELS

GENERAL

This Use of Materials Bulletin sets forth the Administrator qualifications and procedures necessary to establish mill specifications and to validate a manufacturer's certification of compliance with Product Standard PS 1-83 for "Construction and Industrial Plywood" or "Performance Standards and Policies for Structural-Use-Panels", June 1988 , 2 These publications contain standards for all veneer Plywood panels and non veneer panels such as flakeboard, waferboard, oriented strand board and Particleboard. These plywood and woodbased structural-use panels may be used in HUD residential construction of such as floor, roof and wall sheathing, siding, and combination subfloor/ underlayment. This Bulletin also sets forth the Administrators accepted in accordance with this Bulletin and facsimiles of their registered validation marks.

#### ADMINISTRATION AND PROCEDURES

This certification program shall be administered by organizations that qualify under the Administrator Qualifications and Procedures of the HUD Building Product Standards and Certification Program, described in 24 CFR 200.935, except as modified by the provisions of this Use of Materials Bulletin No. 40c (UM 40c). Procedures for carrying out the certification program shall be in accordance with 24 CFR 200.935, and with Section 200.944 which provides that:

1. All plywood made to Ps 1 prescriptive specifications and grade marked as PS 1-83, shall conform to the requirements of PS 1-83. All plywood products qualified for conformance with PS 1-83 through performance testing shall be tested in accordance with PS 1-83, Section 3.8.6.6, Reexamination.

2. Every three months, ten panels which are representative of the manufacturer's production shall be tested in conformance to the APA publication "Performance Standards and Policies for Structural-Use Panels" (APA Std. PRP 108), Paragraph 4.2.3 in the section titled APA Quality Assurance Policy for Structural-Use Panels, or other quality assurance programs acceptable to HUD.

1. Copies are available from the American Plywood Association  
P.O. Box 11700, Tacoma, Washington 98411

2. The reference to Performance Standards and Policies for structural Use Panels includes the complete Standard except for proprietary names.

3. Testing shall be done in an Administrator's laboratory or an Administrator approved laboratory every three months. The Administrator shall examine each manufacturer's quality control procedures to assure they are the same as or are equivalent to those set forth under the Quality Assurance Policy section 4.2.3 of the publication referenced in 2. above or PS 1-83 section 3.8.6.6, reexamination referenced in 1 above. The Administrator shall inspect the manufacturer's procedures at their plant at least every three months to assure that the initially accepted quality control procedures are being followed.

4. The Administrator shall issue to the manufacturer a label, tag, or mark containing the Administrator's' validation mark. Panels that conform to PS 1-83

shall be marked as conforming with PS 1-83. Panels that conform to the Performance Standards and Policies for Structural-Use Panels shall be marked as conforming with UM 40c. All panels complying with APA Standard PRP 108 shall be marked with a label formatted in the manner similar to the trademark examples shown in APA Standard PRP 108. All panels will be marked with the mill number.

5. The certification mark shall be stamped on each panel and be located so that it is available for inspection.

#### LIMITATIONS

All Plywood panels not meeting the grade requirements of PS 1-83, and all composite and nonveneer structural-use panels shall comply with the requirements described in "Performance Standards and Policies for Structural-Use Panels June 1988," except that **ASTM D-3043-87 Method B** may be used in lieu of C for measuring the mechanical properties of the panel, provided the test specimen has a width of at least 12 inches. The impact load shall be 150 ft. lbs. for single-layer floor panels excluding any floor finishes.

#### INSTALLATION

Structural-use panels shall be installed in accordance with the manufacturer's installation instructions and "APA Design Construction Design Construction Guide-Residential, and Commercial" Form E30K, January 1989 .

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3 copies are available from the American Plywood Association, P.O. Box 11700, Tacoma, Washington 98411 and the Program Administrators listed On page 4.

#### PLYWOOD AND WOOD-BASED STRUCTURAL-USE PANELS CERTIFICATION-AND LABELING

Administrators. Qualified organizations interested in becoming Administrators under the HUD Building Product Standards and Certification Program for Plywood and Other Wood-Based Structural-Use Panels shall submit their request to HUD Headquarters, Office of Manufactured Housing and Regulatory Functions, Room 6270, Washington, D.C. 20410-8000. HUD Field Offices will maintain a file of all directories furnished by the Administrators and accept only products listed therein. The

following Administrators have been accepted by HUD as qualified to validate plywood and wood based structural-use panels under this Use of Materials Bulletin No. 40c.

American Plywood Association  
P.O. Box 11700  
Tacoma, Washington 98411

Hardwood Plywood Manufacturer's 7, Association  
P.O. Box 2789  
Reston, Virginia 22090

Timber Products Inspection & Testing Service  
9131 N. interstate Ave. Portland, Oregon 97217

Timberco, Inc.  
86305 College View Road  
Eugene, Oregon 97405

Pittsburgh Testing Laboratory  
545 Conger Street  
Eugene, Oregon 97402

Radco Inc.  
16415 South Avalon Blvd.  
Gardenia, California 90218

Southwest Certification Services Inc.  
6800 Alamo Downs Parkway  
San Antonio, Texas 78238