Underwriters Laboratories Inc.

BUGV R7003
Treated Plywood

HOOVER TREATED WOOD PRODUCTS INC **R7003**

154 WIRE RD

THOMSON, GA 30824 USA

Plywood, impregnated by pressure process to reduce combustibility.

Pyro-Guard

Specie Type or Grade	Flame Spread	Smoke Developed	Adjunct Statement
Southern Yellow Pine	15	30	B, C, F, G
Douglas Fir	FR-S	FR-S	C, F, G
Lauan	FR-S	FR-S	C, F, G

Exterior Fire X, Type II

Specie Type or Grade	Flame Spread	Smoke Developed	Adjunct Statement
Douglas Fir	10	35	A, B, E, G
Southern Yellow Pine	15	50	A, B, E, G
Note: Plywood in form of sheet, planks, or trusses, impregnated by pressure process to reduce combustibility.			
Southern Yellow Pine - Micro-Lam	FR-S	FR-S	A, G
Douglas Fir - Mico-Lam, Red Plank	FR-S	FR-S	A, G
Spruce - Master Plank	FR-S	FR-S	A, G
Southern Yellow Pine - Gang-Lam	5	5-50	A, B, G

BUGV Guide Information
Treated Plywood

GENERAL

This category covers the surface burning characteristics of plywood that has been treated by pressure impregnation to reduce combustibility, and plywood consisting of treated cores with treated or untreated face veneers that may or may not be pre-finished.

In some cases, the designation "FR-S" appears in the individual Classifications in place of the flame spread and smoke developed values. This designation denotes that the flame spread and smoke developed values applicable to a particular species or type of treated plywood are 25 or less and that the species or type has been subjected to tests of 30 min duration during which the flame spread did not progress more than ten and one-half (10-1/2) ft beyond the center line of the burners, with no evidence of significant progressive combustion.

Unless otherwise indicated, the treatments consist of water soluble salts which will be affected by repeated exposure to water or conditions that may result in condensation. In order to determine the effect of moisture conditions on the Surface Burning Characteristics, treated plywood (where indicated in the individual Classifications) has been subjected to a Standard Rain Test consisting of cyclic wetting and drying periods per ASTM D2898-94, "Standard Test Methods for Accelerated Weathering of Fire-Retardant-Treated Wood for Fire Testing." These products are eligible to bear the supplemental statement "No increase in the listed Classification when subjected to the Standard Rain Test, ASTM D2898 -94 ."

Some species of treated plywood, as indicated in the individual Classifications, have also been tested for spread of flame and evidence of significant progressive combustion for test of 30 min duration under the same conditions of exposure. These products are eligible to bear the supplemental statement "In test of 30 min duration, the flame spread did not progress more than ten and one-half (10-1/2) ft beyond the center line of the burners, with no evidence of significant progressive combustion."

In addition to the surface burning characteristics, as indicated in the individual Classifications, treated plywood conforming to AWPA Standard C27-93, "Plywood — Fire-Retardant Treatment by Pressure Processes," may be provided. This standard contains specifications relating to moisture content, flame spread and hygroscopicity for "Interior Type A" performance ratings, moisture content, and flame spread.

Some species of treated plywood, as indicated in the individual Classifications, have been tested in accordance with ASTM D3201 -94 , "Standard Test Method for Hygroscopic Properties of Fire-Retardant Wood and Wood-Base Products." These species of plywood are eligible to bear the supplement statement "Equilibrium moisture content of less than 28 percent when tested in accordance with ASTM D3201 -94 at 92 percent relative humidity."

Some species of treated plywood, as indicated in the individual Classifications, have been kiln dried after treatment per ASTM D4442, "Standard Test Methods for Direct Moisture Content Measurement of Wood and Wood-Base Materials"/ASTM D4444-92, "Standard Test Methods for Use and Calibration of Hand-Held Moisture Meters." These species of plywood are eligible to bear the supplement statement "Kiln dried after treatment to a maximum moisture content of 15 percent in accordance with ASTM D4442/D4444 -92 ."

Some treated plywood is provided with facings that may effect the contribution of combustibles under fire conditions. This effect is determined by testing the sample with a longitudinal butt joint, constructed by slitting the facing or by using a factory or field joint (if applicable).

One or more of the following adjunct statements, referenced above, may be indicated on the individual Classifications by alphabetical letters having the following meanings:

A - No increase in the listed Classification when subjected to the Standard Rain Test, ASTM D2898 -94 .

B - In test of 30 minutes duration, flame spread did not progress more than 10.5 feet beyond the center line of the burners and there was no evidence of significant progressive combustion.

C - In accordance with AWPA Standard C27-93, Interior Type A.

F - Equilibrium moisture content less than 28 percent when tested in accordance with ASTM D3201 -94 at 92 percent relative humidity.

G - Kiln dried after treatment to a maximum moisture content of 15 percent in accordance with ASTM D4442/D4444 -92 .

The Classifications are confined to the materials themselves and do not pertain to the structures in which the materials may be installed.

The structural qualities of this plywood have not been determined.

The toxicity of the products of combustion and other properties have not been investigated.

Authorities Having Jurisdiction should be consulted before installation.

ADDITIONAL INFORMATION

For additional information, see Surface Burning Characteristics (**BIKT**) and Building Materials (**AABM**).

REQUIREMENTS

The basic standard used to investigate products in this category is UL 723, "Test for Surface Burning Characteristics of Building Materials."

UL MARK

The Classification Mark of Underwriters Laboratories Inc. on the product is the only method provided by UL to identify products manufactured under its Classification and Follow-Up Service. The Classification Mark for these products includes the UL symbol, the word "CLASSIFIED" above the UL symbol (as illustrated in the Introduction of this Directory) or the statement "UND. LAB. INC. CLASSIFIED," the product identity "TREATED PLYWOOD," a control number, and the statement "SURFACE BURNING CHARACTERISTICS" or "FR-S PLYWOOD."

The Classification Mark with the statement "SURFACE BURNING CHARACTERISTICS" will include the specific numerical ratings applicable to the product, and if so qualified, the added statement "In test of 30 min duration, the flame spread did not progress more than ten and one-half (10-1/2) ft beyond the center line of the burners, with no evidence of significant progressive combustion" (or the abbreviation "30 min").

Classification Marks with the statement "FR-S PLYWOOD" are applicable to treated plywood having numerical ratings not more than 25 for flame spread and smoke developed, and also eligible for the "30 min test" statement quoted above.

Any of these Classification Mark texts may be imprinted on the plywood or may be separable paper Classification Marks depending on factory production methods.
