

CITY OF NEW YORK
DEPARTMENT OF BUILDINGS

Pursuant to Administrative Code Section 27-131, the following equipment or material has been found acceptable for use in accordance with the Report of Materials and Equipment Acceptance (MEA) Division.

Patricia J. Lancaster, F.A.I.A., Commissioner

MEA 409-03-M
Report of Material and Equipment Acceptance Division

Manufacturer – Diamond Hardwoods, Inc., 16 Beacon Hill Drive, Metuchen, NJ 08840.

Trade Name – Diamond Decking ®.

Product - Naturally fire resistant wood.

Pertinent Code Section(s) - 27-328.

Test(s) - RS 5-5 (ASTM E84).

Laboratory - Sor Testing Laboratories, Inc.

Test Report(s) - Report No. 99-5412 dated September 17, 1999.

Description – A naturally fire resistant wood scientifically identified as *Tabebeuia* Spp. This material is well suited for applications requiring high strength, durability and/or fire resistance.

This material was tested by Sor Laboratories for the following:

Strength Properties: ASTM-D143

Surface Burning Characteristics: ASTM-E84

Specific Gravity and Unit Weight: ASTM-D143

TEST RESULTS

Properties	Results (*)
Bending Strength, psi	12,368
Compression parallel to grain, psi	12,600
Compression perpendicular to grain, psi	3,150
Shear Parallel to grain, psi	1,295
Modulus of Elasticity, psi	3,452,000
Unit Weight, as received, pcf	67.5
Unit Weight, after oven dry, pcf	61.0

(*) Each test result is the average of three specimens.

2. Surface Burning Characteristics

<u>Type of Test</u>	<u>Results</u>
Flame Spread (10 minutes)	0
Flame Spread (30 minutes)	10
Smoke Developed Values (10 minutes)	5
Fuel Contribution (10 minutes)	0

Note: Toxicity test was not performed.

Recommendation - That the above described naturally fire retardant wood be accepted as complying with the requirements of Code Section 27-328 as fire retardant wood with a flame spread rating of 25 or less, classification of "A", with a smoke developed rating of 25 or less, for outdoor installation, under the following conditions:

1. Use of described materials shall be in conformance with Code Section 27-328 and the additional Code Sections covering the specific intended use.
2. The materials shall bear the identification of a testing laboratory or agency certifying to conformance with the production and performance requirements enumerated in the prescribed Code Reference Standard.
3. The acceptance of these materials is limited to combustible classification in accordance with flame spread and smoke developed only but does not include fire resistance rating. Structural and other requirements shall be in compliance with code provisions applicable to the specific application.
4. All shipments and deliveries of such materials shall be accompanied by a certificate or label, certifying that the materials shipped or delivered are equivalent to those tested and acceptable for use, as provided for in Article 27-131 of the Building Code.

Final Acceptance April 30/04

Examined By S Dorphick