

## **BUILDING PRODUCTS LISTING PROGRAM**

**Class:** Roof Coverings – Fire Rated

**Customer:** Tropical Timberwoods, Inc.  
**Location:** 15476 NW 77<sup>th</sup> Court, #217  
 Miami Lakes, Florida 33016

**Listing No.:** B1057  
**Project No.:** B1057-1 Ed. 1  
**Effective Date:** January 31, 2013  
**Last Revised:** No Revisions to Date  
**Expires:** N/A

**Standards:** ASTM E108 – “*Standard Test Methods for Fire Tests of Roof Coverings*”  
 UL 790 – “*Standard Test Methods for Fire Tests of Roof Coverings*”  
 UL 2218 – “*Impact Resistance of Prepared Roof Covering Materials*”  
 UL 1897 – “*Uplift Tests for Roof Covering Systems*”

**Graded To:** CSSB-97 - “*Grading and Packing Rules for Western Red Cedar Shakes and Western Red Shingles of the Cedar Shake and Shingle Bureau*”.  
 UBC 15-3 - “*Uniform Building Code Standard 15-3 Wood Shakes*”.  
 UBC 15-4 - “*Uniform Building Code Standard 15-4 Wood Shingles*”.

**Product(s):** Turada<sup>®</sup> Natural Wood Shingles and Shake Roof Covering Products.

**Markings:** Listed product are packaged in bundles, with a finished product label bearing the following information: Product Name (Turada<sup>®</sup>), Manufacturer Name, QAI Logo with the “us” indicator, date of manufacture, and Class A fire classification rating.

**Ratings:**

**Assembly 1:** **Class A Fire Rated Applications (Does not Include Wind or Impact Resistance): Unlimited Slope**

<b>SHEATHING</b>	<b>UNDERLAYMENT(s)</b>	<b>ROOF COVERING(s)</b>
Minimum ½ inch thick Densdeck Installed over Spaced or Solid Sheathing	Minimum 30 lbs felt meeting ASTM D226	Turada <sup>®</sup> Shingles or Shakes Installed in Accordance with Manufacturer’s Installation Instructions

Assembly 1 is for fire classified roofing applications. For wind resistant and impact resistant applications, see Assembly 2.

**Assembly 2:** **52 psf Wind Uplift Resistant Assembly / Class 4 Impact Resistant Assembly (Does not Include Fire Rated Applications)**

<b>SHEATHING</b>	<b>UNDERLAYMENT(s)</b>	<b>ROOF COVERING(s)</b>
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Minimum 1'' thickness solid or spaced sheathing	Minimum 30 lbs felt meeting ASTM D226	Turada® Shingles or Shakes Installed in Accordance with Manufacturer's Installation Instructions (minimum 2 ring shank roofing nails of 1-3/4'' length per shingle.
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Assembly 2 is for wind resistant and impact resistant applications. For fire classified roofing applications, see Assembly 1.

Note: Ultimate load achieved = 156 psf. 52 psf allowable noted is based on factor of safety of 3 applied.

Final acceptance of the product in the intended application is to be determined by the authority having jurisdiction.

Note:

Product is to be installed in accordance with the manufacturer's published instructions by qualified installation personnel.

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