



## Material Specifications

### StrandWoven Mulberry

<b>Given Color Name:</b>	Fawn (Carbonized)
<b>Material:</b>	100% Mulberry bush branches <b>Resin:</b> Dynea (non-toxic and water resistant) (reclaimed material from the silk industry) ( <i>Morus alba Linn</i> )
<b>Standard Sizes:</b>	72" x 3-3/4" x 9/16" with micro beveled edges, tongue and groove
<b>Finish:</b>	Nine coats UV cured Acrylic Treffert System with a 25 year residential warranty and 5 year commercial warranty. The underside also contains one coat of finish.
<b>Fire Rating:</b>	ASTM E-648 Critical Radiant Flux, Class 1
<b>Hardness:</b>	ASTM D1037, Janka Ball Hardness Test 2,200 lbf
<b>Dimensional Stability:</b>	ASTM D1037 (90% relative humidity) Linear expansion - .03% Thickness swell - 3.3%
<b>Compressive Strength Testing:</b>	ASTM D 3501 Compressive Strength 1,675 PSI – Ultimate Load 15,690
<b>Moisture Content:</b>	ASTM D 4442 7-9 %
<b>Formaldehyde Emissions:</b>	<.02 ppm as tested by an independent laboratory in the USA.
<b>Installation:</b>	Nail or Glue down installation is recommended.
<b>Recommended Adhesives:</b>	Bostik's Best® or Bostik's TKO® This adhesive meets the emission requirements of U.S. OSHA and European E0.

#### LEED® Credits:

Credit MR3.1, 3.2 - Manufacturer's product data for each product used, indicating that product(s) are manufactured from salvaged materials.

Credit EQ 4.1 - Low-Emitting Materials, Adhesives and Sealants: Manufacturer's product data.

Credit EQ 4.4 - No added formaldehyde



## Formaldehyde Emissions Test Data

Test No.: F-9637

### LARGE CHAMBER FORMALDEHYDE EMISSIONS TEST FOR RESEARCH & DEVELOPMENT CARB (CALIFORNIA AIR RESOURCES BOARD) PRODUCT SCREENING

The testing followed the procedures described in the ASTM Standard E1333-96 (2002), "Standard Test Method for Determining Formaldehyde Concentrations in the Air and Emission Rates from Wood Products Using a Large Chamber." After conditioning at  $77 \pm 5^{\circ}\text{F}$  and  $50 \pm 5\%$  RH for  $168 \pm 3$  hr, the samples were placed in a 810 cu. ft. chamber with positive air pressure and an air change rate of  $0.5 \pm 0.05/\text{hr}$ . Samples remained in the chamber for 16 to 20 hr; air sample measurements were then taken at a rate of 1.0 L/min. for 60 min. The formaldehyde air ratio was determined with a Bausch & Lomb Spectronic 20 Spectrophotometer. Final values, corrected to standard condition of  $77^{\circ}\text{F}$  temperature and 50% RH, are reported below as standard parts per million (ppm). The test results are compared to CARB Regulation 93120, Table 1, Phase 1 (eff. 1/1/2009), for the specific product type submitted.

PRODUCT DATA		
<b>Manufacturer</b> Green Choice Flooring International	<b>Date Manufactured:</b> n/a	
<b>Mill Number:</b> n/a	<b>P. O. Number:</b> n/a	
<b>Substrate Thickness:</b> n/a	<b>Substrate material:</b> strand woven mulberry	
<b>Overlay Thickness:</b> n/a	<b>Overlay Material:</b> n/a	
<b>Specifics:</b> 9/16" Strand woven mulberry		
TEST DATA		
<b>Test Date:</b> 9/11/2008		
<b>Conditioning Dates:</b> 9/3/2008 – 9/10/2008		
<b>Chamber Temperature:</b> $75 \pm 2^{\circ}\text{F}$		
<b>Chamber Relative Humidity:</b> $51 \pm 4\%$		
<b>Chamber Background Formaldehyde Level</b> <0.02 ppm		
<b>Make-up Air Formaldehyde Level:</b> <0.01ppm		
<b>Chamber Loading Ratio:</b> $0.29 \text{ ft}^2/\text{ft}^3$		
<b>Standard ppm for Port #1</b>	<0.02	<b>Limit ( ppm):</b> 0.05
<b>Standard ppm for Port #2</b>	<0.02	<b>Status:</b> Pass
<b>Average:</b>	<0.02	