

MOISTURE METER CONVERSION TABLE FOR TERAGREN BAMBOO FLOORING



SOLID STRAND: *Portfolio Naturals, Synergy MPL*

The following table has been carefully developed to be compatible with Teragren Xcora® strand bamboo flooring. Moisture readings will vary slightly depending on temperature, density, and color. Expect accuracy to be with +/- 1.5 point.

Note: While you may be able to use a pin meter to accurately test Strand Bamboo, Teragren feels that the accuracy of "Scanner" style meters is more consistent across colors and coating styles.

The following meters have been calibrated to strand bamboo acclimated to 45% RH at 80° Fahrenheit. At this RH and temperature, the moisture content of Teragren's Xcora® strand bamboo flooring should be approximately 8.3%.

- Wagner MMC 220: Setting 95 (note – perform the test on a stack of 4 planks, averaging multiple tests along the planks)
- Ligno Scanner SDM: Setting 26 (use ¼ depth setting – test may be performed on a single 12mm plank layer)
- Tramex MRH III: Setting .78 (Subtract 3 points from readings) (note – perform the test on a stack of 4 planks, averaging multiple tests along the planks)

Note: Teragren recommends performing tests parallel with the grain.

Relative Humidity levels required to maintain below moisture content:

RH		5%	10%	15%	20%	25%	30%	35%	40%	45%	50%	55%	60%	65%	70%	75%	80%	85%	90%	95%	
° F	° C	Moisture content (%) of wood at above relative humidity values:																			
30°	-1.1°	1.4	2.6	3.7	4.6	5.5	6.3	7.1	7.9	8.7	9.5	10.4	11.3	12.4	13.5	14.9	16.5	18.5	21.0	24.3	
40°	4.4°	1.4	2.6	3.7	4.6	5.5	6.3	7.1	7.9	8.7	9.5	10.4	11.3	12.3	13.5	14.9	16.5	18.5	21.0	24.3	
50°	10.0°	1.4	2.6	3.6	4.6	5.5	6.3	7.1	7.9	8.7	9.5	10.3	11.2	12.3	13.4	14.8	16.4	18.4	20.9	24.3	
60°	15.6°	1.3	2.5	3.6	4.6	5.4	6.2	7.0	7.8	8.6	9.4	10.2	11.1	12.1	13.3	14.6	16.2	18.2	20.7	24.1	
70°	21.1°	1.3	2.5	3.5	4.5	5.4	6.2	6.9	7.7	8.5	9.2	10.1	11.0	12.0	13.1	14.4	16.0	17.9	20.5	23.9	
80°	26.7°	1.3	2.4	3.5	4.4	5.3	6.1	6.8	7.6	8.3	9.1	9.9	10.8	11.7	12.9	14.2	15.7	17.7	20.2	23.6	
90°	32.2°	1.2	2.3	3.4	4.3	5.1	5.9	6.7	7.4	8.1	8.9	9.7	10.5	11.5	12.6	13.9	15.4	17.3	19.8	23.3	
100°	37.8°	1.2	2.3	3.3	4.2	5.0	5.8	6.5	7.2	7.9	8.7	9.5	10.3	11.2	12.3	13.6	15.1	17.0	19.5	22.9	
110°	43.3°	1.1	2.2	3.2	4.0	4.9	5.6	6.3	7.0	7.7	8.4	9.2	10.0	11.0	12.0	13.2	14.7	16.6	19.1	22.4	
120°	48.9°	1.1	2.1	3.0	3.9	4.7	5.4	6.1	6.8	7.5	8.2	8.9	9.7	10.6	11.7	12.9	14.4	16.2	18.6	22.0	

Adapted from the U.S. Dept. of Agriculture "Wood Handbook — Wood as an Engineering Material" Section 3-7

Suggested Operating Range: 35% RH to 55% RH: Δ of 3.1 Points

Teragren delivered moisture content range: 7-9% +/-1

XCORA® ENGINEERED STRAND BAMBOO: *Synergy Wide Plank, Vantage*

Measure moisture content using a pin-style meter with shielded pins. The pins should pierce the strand bamboo to get to the underlying substrate. Use meter manufacturer's settings for the bamboo core or the plywood core as appropriate.

PUREFORM™ SOLID TRADITIONAL BAMBOO: *Studio, Craftsman, Signature MPL's, Elements*

Measure moisture content using a pin-less or pin-style meter. Use meter manufacturer's settings for Flat Grain or Vertical Grain bamboo as appropriate.