Teragren®

FINE BAMBOO FLOORING, PANELS & WORKTOPS

ENVIRONMENTALLY SMART: Emissions Standards

Teragren participates in the following third party certification programs to ensure that our products contribute to superior indoor air quality and a healthy home, work or school environment:

CA 01350 Compliant – Self-Certified: All Teragren Self-Certified flooring products are certified by Berkeley Analytical Laboratories to the globally recognized California Special Environmental Requirements Specification 01350 standard, developed by the State of California to cover key environmental performance issues related to the selection and handling of building materials. It aims to reduce the impact of building materials on indoor air quality and improve health in buildings. The key element reviewed for hardwood flooring is a screening based upon emission testing for human exposure and health impacts which mandates that individual VOCs (Volatile Organic Compounds) do not exceed one-half of the defined CREL (Chronic Reference Exposure Levels) threshold as established by the State of California Office of Environmental Health Hazard Assessment. The OEHHA CREL list addresses volatile organic compounds (VOCs) with known chronic health effects.

FLOORSCORE® CERTIFIED: Recognized as the most stringent indoor air quality standard in the world, FloorScore® is a voluntary, independent certification program that tests and certifies hard surface flooring and associated products for 78 volatile organic compounds (VOCs) and compliance with criteria adopted in California for indoor air emissions of VOCs with potential health effects. All Teragren FloorScore® Certified flooring products are certified by Scientific Certification Systems to the globally recognized California Special Environmental Requirements Specification 01350 standard.

Products meeting FloorScore® certification also conform to:

- Scientific Certification Systems EC10.2-2007
- California Specification 01350 (Standard Method v1.1)
- USGBC LEED Criteria for EQ4.3 – Low Emitting Materials (Flooring)
- Green Guide to Healthcare

SCS INDOOR ADVANTAGE™ GOLD (IAG) CERTIFIED: Scientific Certification Systems is the global leader in independent certification of environmental and sustainability claims, including green building claims. By setting limits on indoor air emissions, the Indoor Advantage™ Gold certification guarantees that certified products contribute to a healthy and safe indoor environment. All Teragren Indoor Advantage Gold Certified panel and veneer products are certified by Scientific Certification Systems to the globally recognized California Special Environmental Requirements Specification 01350 standard. Registration # SCS-IAQ-01879.

Products meeting Indoor Advantage Gold certification also conform to:

- Scientific Certification Systems EC10.2-2007
- California Specification 01350 (Standard Method v1.1)
- CHPS EQ 2.2.4 Composite Wood and Agrifiber Products
- USGBC LEED Criteria for EQ4.4 – Low Emitting Materials (Composite Wood)

Test Results

We periodically test our products through an independent testing laboratory in the United States. The test used to determine formaldehyde off-gassing is the "Large Chamber Test for Formaldehyde Emissions" and is run in accordance with ASTM E1333. The results of these tests and their comparison to international standards are listed below.

Standards	**Formaldehyde parts per million (ppm)***
[1]U.S. OSHA	0.75 ppm
[2]U.S. ANSI	0.30 ppm
German E1	0.106 ppm
[4]CARB Phase 1	0.08 ppm
[3]Japanese JIS/JAS (F☆☆☆☆)	0.07 ppm
European E0	0.07 ppm
[4]CARB Phase 2	0.05 ppm
Japanese JIS/JAS (F☆☆☆☆)	0.04 ppm
Teragren 4' x 8' x 3/4" Panel (Gen 3)	0.03 ppm
Teragren Studio Flooring	0.03 ppm
Teragren Craftsman II Flooring	0.03 ppm
Teragren Synergy® (solid) Flooring	0.01 ppm
Teragren Signature Naturals Flooring	0.01 ppm
All Teragren bamboo products: maximum tested emission using ASTM E1333	less than or equal to 0.03 ppm

*ppm = parts per million (.001 parts per million = 1 part per billion)
[1]OSHA = U.S. Department of Labor Occupational Safety & Health Administration
[2]ANSI = American National Standards Institute
[3]Japanese Ministry of Land, Infrastructure, and Transport (PDF)
[4]California Air Resources Board (PDF) Phase 1 implementation, January 2009; Phase 2 implementation, January 2010.

Please see Teragren CSI specifications for product-specific formaldehyde test results.