



Caimi Brevetti S.p.A. / TRA

GREENGUARD Certification

Standard: UL 2818 - 2013 Standard for Chemical Emissions for Building Materials, Finishes and Furnishings

Number: 69755-410

Certification Status: Certified

Certification Period(s): 8/2015 - 7/2016

GREENGUARD Gold Certification

Standard: UL 2818 -2013 Gold Standard for Chemical Emissions for Building Materials, Finishes and Furnishings

Number: 69755-420

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Caimi Brevetti S.p.A.

Product Website:

<http://www.caimi.com/snowsound/en/prodotti/>

Link to this page

Certification Mark(s):



Manufacturer's Description:

TRA is a patented system consisting of Snowsound® technology sound-absorbing panels suspended to a pair of stainless steel cables which are connected between two walls while maintaining a natural curve. The supporting cables can be positioned at a number of angles. Snowsound® technology panels can be hung by cables in multiple positions, thereby creating compositions that can be personalised for aesthetics and sound. Snowsound® technology sound-absorbing panels are made entirely of polyester with a variable density which allows a selective absorption of different sound frequencies. The panel consists of an internal padding in polyester fiber with variable density, decreasing from the outside into the core of the panel, coated on both sides with Trevira CS® fabric, bonded firmly to the padding. Double-sided, both sides have a convex section and have the same characteristics. The panel features a rigid edge and has no frame, so it's 100% recyclable. Class of reaction to fire: Euroclass B-s2, d0. The panels were tested in a reverberation room according to UNI EN ISO 354 standards obtaining "Class A sound absorption" to UNI EN ISO 11654 standards. Snowsound® technology panels, when hanging from the ceiling, all bear the CE mark, according to the harmonised technical specification EN 13964 for use as a suspended ceiling, to facilitate its sale in the European Community, pursuant to Regulation (EU) no. 305/2011. To simulate the influence of the seasons on indoor environments, Snowsound® technology panels are subjected to a cycle of extreme weather conditions according to ISO 9142 standards in a climate chamber at -20°C (-4°F) to +70°C (+158°F) and humidity up to 90%.

Sustainable Building Programs Credits & Codes:

This Product Contributes To:

- Australian Green Star - Education
 - IEQ Credit 8 : Flooring/Furniture
- Australian Green Star - Office Interiors
 - IEQ Credit 11 : Furniture/Wall Systems
- LEED v4 - Building Design & Construction
 - EQ Credit 1: Enhanced Indoor Air Quality Strategies – Option 2 Additional Enhanced IAQ Strategies - D
 - EQ Credit 2: Low-Emitting Materials
 - EQ Credit 4: Indoor Air Quality Assessment - Option 2 Air Testing
 - MR Credit 7: Furniture and Medical Furnishings - Healthcare Only – Option 2 & 3
- LEED v4 - Homes
 - EQ Credit 2: Contaminant Control – Option 4 Air Testing
- LEED v4 - Interior Design & Construction
 - EQ Credit 1 - Enhanced Indoor Air Quality Strategies-Option 2D
 - EQ Credit 2: Low-Emitting Materials
 - EQ Credit 4: Indoor Air Quality Assessment - Option 2 Air Testing

CERTIFICATE OF COMPLIANCE



Caimi Brevetti S.p.A.

TRA

69755-420

Certificate Number

08/04/2015 - 07/20/2016

Certificate Period

Certified

Status

UL 2818 -2013 Gold Standard for Chemical Emissions for Building Materials, Finishes and Furnishings

Product tested in accordance with UL 2821 test method to show compliance to emission limits on UL 2818. Section 7.1 and 7.2.

Commercial furniture and furnishings are tested in accordance with ANSI/BIFMA M7.1-2011 and determined to comply with ANSI/BIFMA X7.1-2011 and ANSI/BIFMA e3-2014e Credit 7.6.1, 7.6.2, and 7.6.3. Panel based workstations are modeled in the open plan environment. Casework systems are modeled in the private office environment. Products also determined compliant in accordance with California Department of Public Health (CDPH) Standard Method V1.1-2010. Educational furniture is modeled in the classroom environment. Residential furniture is modeled in the residential bedroom environment.



Environment

UL Environment investigated representative samples of the identified Product(s) to the identified Standard(s) or other requirements in accordance with the agreements and any applicable program service terms in place between UL Environment and the Certificate Holder (collectively "Agreement"). The Certificate Holder is authorized to use the UL Environment Mark for the identified Product(s) manufactured at the production site(s) covered by the ULE Test Report, in accordance with the terms of the Agreement. This Certificate is valid for the identified dates unless there is non-compliance with the Agreement.

GREENGUARD Gold Certification Criteria for Furniture and Mattresses

Criteria	CAS Number	Maximum Allowable Predicted Concentration	Units
TVOC ^(A)	-	0.22	mg/m ³
Formaldehyde	50-00-0	9 (7.3 ppb)	µg/m ³
Total Aldehydes ^(B)	-	0.043	ppm
4-Phenylcyclohexene	4994-16-5	6.5	µg/m ³
1-Methyl-2-pyrrolidinone ^(C)	872-50-4	160	µg/m ³
Individual VOCs ^(D)	-	1/2 CREL or 1/100th TLV	-

- (A) Defined to be the total response of measured VOCs falling within the C₆ – C₁₆ range, with responses calibrated to a toluene surrogate.
- (B) The sum of all measured normal aldehydes from formaldehyde through nonanal, plus benzaldehyde, individually calibrated to a compound specific standard. Heptanal through nonanal are measured via TD/GC/MS analysis and the remaining aldehydes are measured using HPLC/UV analysis.
- (C) Based on the CA Prop 65 Maximum Allowable Dose Level for inhalation of 3,200 µg/day and an inhalation rate of 20 m³/day.
- (D) Allowable levels for chemicals not listed are derived from the lower of 1/2 the California Office of Environmental Health Hazard Assessment (OEHHA) Chronic Reference Exposure Level (CREL) as required per the CDPH/EHLB/Standard Method v1.1 and BIFMA level credit 7.6.2 and 1/100th of the Threshold Limit Value (TLV) industrial work place standard (Reference: American Conference of Government Industrial Hygienists, 6500 Glenway, Building D-7, and Cincinnati, OH 45211-4438).



Environment

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Certificate Number

08/04/2015 - 07/20/2016

Certificate Period

Certified

Status

UL 2818 - 2013 Standard for Chemical Emissions for Building Materials, Finishes and Furnishings

Products tested in accordance with UL 2821 test method to show compliance to emission limits in UL 2818, Section 7.1.

Office furniture and furnishings are tested in accordance with ANSI/BIFMA M7.1-2011 and determined to comply with ANSI/BIFMA X7.1-2011 and ANSI/BIFMA e3-2014e Credit 7.6.1. Panel based workstations are modeled in the open plan environment. Casework systems are modeled in the private office environment. Residential furniture is modeled in a residential bedroom environment.



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UL Environment investigated representative samples of the identified Product(s) to the identified Standard(s) or other requirements in accordance with the agreements and any applicable program service terms in place between UL Environment and the Certificate Holder (collectively "Agreement"). The Certificate Holder is authorized to use the UL Environment Mark for the identified Product(s) manufactured at the production site(s) covered by the ULE Test Report, in accordance with the terms of the Agreement. This Certificate is valid for the identified dates unless there is non-compliance with the Agreement.

GREENGUARD Certification Criteria for Furniture and Mattresses

Criteria	CAS Number	Maximum Allowable Predicted Concentration	Units
TVOC ^(A)	-	0.50	mg/m ³
Formaldehyde	50-00-0	61.3 (50 ppb)	µg/m ³
Total Aldehydes ^(B)	-	0.10	ppm
4-Phenylcyclohexene	4994-16-5	6.5	µg/m ³
Individual VOCs ^(C)	-	1/10th TLV	-

- (A) Defined to be the total response of measured VOCs falling within the C₆ – C₁₆ range, with responses calibrated to a toluene surrogate.
- (B) The sum of all measured normal aldehydes from formaldehyde through nonanal, plus benzaldehyde, individually calibrated to a compound specific standard. Heptanal through nonanal are measured via TD/GC/MS analysis and the remaining aldehydes are measured using HPLC/UV analysis.
- (C) Allowable levels for chemicals not listed are derived from 1/10th of the Threshold Limit Value (TLV) industrial work place standard (Reference: American Conference of Government Industrial Hygienists, 6500 Glenway, Building D-7, and Cincinnati, OH 45211-4438).



Environment

Deze informatie is afkomstig van de website van Zero-Z design.

Voor vragen, toelichting en meer informatie kunt u contact opnemen met:

Zero-Z design

Jasmijnstraat 6a

3732 EC De Bilt

T +31 (0)30 2201297

F +31 (0)30 2210692

E info@zero-z-design.nl

W www.zero-z-design.nl

