



Certificate of Compliance

Certification Details:

Certificate No: 90304-00

Status: Certified

Period: 09/2010 - 09/2011

Restrictions: NONE

Rigid PVC

Surteco Canada Ltd.

This product has been certified according to the GREENGUARD Children & Schools Certification Program for Low Emitting Products

Reference Standard: GGPS.002 GREENGUARD Children & Schools™ Standard

Product Type: All Products

Criteria	Allowable Limits
Individual VOCs ^{1,2}	≤ 1/100 TLV and ≤ 1/2 CA chronic REL (Office Seating ≤ 1/100 TLV and ≤ 1/4 CA REL)
Formaldehyde	≤ 0.0135 ppm / 13.5 ppb (Office Seating ≤ 0.0675 ppm / 6.75 ppb)
TVOC ³	≤ 0.22 mg/m ³
Total Aldehydes ⁴	≤ 0.043 ppm / 43 ppb
Total Phthalates ⁵	≤ 0.01 mg/m ³
Total Particles ⁶	≤ 0.02 mg/m ³

See referenced standard for a complete technical explanation.

¹Any VOC not listed must produce an air concentration level no greater than 1/100 the Threshold Limit Value (TLV) industrial work place criterion (Reference: American Conference of Government Industrial Hygienists, 6500 Glenway, Building D-7, Cincinnati, Ohio 45211-4438) and no greater than 1/2 the CA Chronic Reference Exposure Level (CREL) http://www.oehha.ca.gov/air/chronic_rels/AllChrels.html - (CRELs) Adopted by the State of California Office of Environmental Health Hazard Assessment (OEHHA), December 2008).

²1-Methyl-2-Pyrrolidinone must be ≤ 0.16 mg/m³ for Office Furniture or ≤ 0.080 mg/m³ for Office Seating.

³Defined to be the total response of measured VOCs falling within the C₆-C₁₀ range, with responses calibrated to a toluene surrogate.

⁴Defined to be the total response of a target list of aldehydes (2-butenal; acetaldehyde; benzaldehyde; 2, 5-dimethylbenzaldehyde, 2-methylbenzaldehyde; 3-and/or 4-methylbenzaldehyde; butanal; 3-methylbutanal; formaldehyde; hexanal; pentanal; propanal), with each individually calibrated to a compound specific standard.

⁵Total phthalates include dibutyl (DBP), diethylhexyl (DEHD), diethyl (DEP), butylbenzyl (BBP), di-octyl (DOP), and dimethyl (DMP) phthalates.

⁶Particles are only applicable to fibrous, particle-releasing products with exposed surface area in air streams.

Complies with California Department of Health Services' "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers" Version 1.1 (CA section 01350)

Complies with ANSI/BIFMA X7.1-2007, ANSI/BIFMA M7.1-2007, and BIFMA e3-2008 Credit 7.6.1 for Furniture.

GREENGUARD Certification affirms that products meet the criteria of the referenced standard and the requirements of the specific certification program. Certification testing is conducted according to a consistent, defined protocol. The testing does not evaluate emissions under usage conditions other than those defined in the protocol and does not address potential environmental impact other than chemical and particle emissions.

The GREENGUARD Environmental Institute (GEI) is an industry independent, third-party certification organization that qualifies products for low chemical emissions. GREENGUARD Certification programs use defined product standards, test methodologies, product sample collection and handling procedures, program application processes and on-going verification procedures. GREENGUARD standards, methods, and procedures are available at www.GREENGUARD.org.



Achieving LEED® Points With GREENGUARD Certified Products



GREENGUARD Indoor Air Quality Certified® products are recognized as credit criteria for several different points in the USGBC's LEED Rating Systems. Low-emitting products that qualify for the GREENGUARD Certification or GREENGUARD Children & Schools program can be used in a number of ways to qualify for LEED points. These products are listed in the GREENGUARD Product Guide at www.greenguard.org. The following is a brief overview of how GREENGUARD Certified products can be used to achieve LEED points.

LEED-CI

- **EQ Credit 4.5** - This credit specifically references that all "System Furniture and Seating" must be GREENGUARD Indoor Air Quality Certified.

LEED-NC/EB/CS

- **Automatic ID Credit** - Using LEED-CI EQ Credit 4.5 for GREENGUARD Indoor Air Quality Certified "System Furniture and Seating" achieves an ID point.

LEED for Homes

- **MR Credit 5** - Environmentally Preferable Products - This credit specifies that roof, wall, and floor insulation meet the requirements of the State of California, DHS, "Practice for Testing of VOCs from Building Materials Using Small Chambers." GREENGUARD certified products meet this requirement.

LEED-NC for Schools draft document

- **EQ Credit 4.3** - Flooring Systems - This credit specifically references that flooring (all hard surface flooring) must be GREENGUARD Indoor Air Quality Certified.
- **EQ Credit 10** - Mold Prevention - This credit addresses mold within schools and specifically references the GREENGUARD Mold Protection Program as a potential strategy to achieve this credit.
- **ID Credit Option 1** - Low Emitting Furniture and Furnishings - This credit specifically references that all "System Furniture and Seating" must be GREENGUARD Indoor Air Quality Certified.
- **ID Credit Option 1** - GREENGUARD Children & Schools - This credit builds on EQ Credits 4.1-4.3 and allows for double points to be awarded for the selection of low-emitting materials (adhesives, sealants, paints, coatings and flooring systems) that meet the certification standard of GREENGUARD Children & Schools.



For more information about GREENGUARD, please visit our website at www.greenguard.org or contact us via Email: info@greenguard.org or Phone: 800-427-9681.