

# Environmental Information and LEED® Summary

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Nester

## LEED® 2009 Credit Information

Category	Credit	Contributes to
Materials and Resources	MR Credit 4: Recycled Content	1 -2 point(s)
Materials and Resources	MR Credit 5: Regional Materials *	1 -2 point(s)
Materials and Resources	MR Credit 6: Rapidly Renewable Materials **	1 point
Materials and Resources	MR Credit 7: Certified Wood **	1 point
Indoor Environment Quality	IEQ Credit 4.5: Low-emitting Materials ...Seating	1 point

\* Contribution to this credit is only applicable if a minimum 20% of the combined value of construction and Division 12 (Furniture) materials and products is used in a project within radius of 500 miles from the 9to5 Seating factory in Southern California.

\*\* Contribution to this credit not currently available from 9 to 5 Seating's products.

## Material Content Description

Material	Description	Percentage By Weight	Recycled Content <sup>4</sup>	End Life Management
Metal	Steel, Rod, Tubing, Cold/Hot rolled flat stock	61%	60% PC	Recycle where possible
Wood	Plywood, Wood Parts	4%	0% From Rapidly Renewable Forests	Recycle where possible
Foam	Polyurethane	2%	0%	Recycle where possible
Fabric	Natural / Synthetic	4%	0%-100% <sup>2</sup>	Recycle where possible
Plastic	Polypropylene, Nylon, ABS	22%	60% PC	Recycle where possible
Miscellaneous		7%	0%	Recycle where possible

Total Post Consumer Recycled Content 49.8% to 53.8%

PI = Post Industrial or Pre Consumer Recycled Content

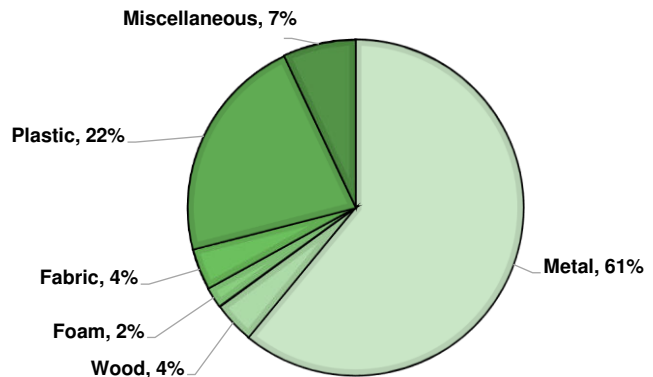
PC = Post Consumer Recycled Content

<sup>1</sup>Values are based on the recycled content of the total chair weight and the specific chair style

<sup>2</sup>Range based on specific fabric brand and type

### Comments:

- 9to5 Seating complies with the FTC's Guide for the Use of Environmental Marketing Claims.
- 9to5 Seating encourages blanket-wrapped shipping - corrugated cartons are used for other modes.
- Product recycling depends on local program.



## Indoor Air Quality (IAQ) - Greenguard Certification

Good, clean, indoor air quality is critical to providing healthy environments for building occupants. People today spend as much as 90% of their time indoors. GREENGUARD Certification offers a way to keep pollutants out in the first place. Using products bearing the GREENGUARD Indoor Air Quality

Certified® mark can rest easy knowing these products have been independently tested and meet one of the most rigorous chemical emission standards in the world. 9 to 5 Seating's GREENGUARD Certification makes them recommended by the U.S. Green Building Council's (USGBC) LEED® Rating System. We're proud of our certification and our commitment to the environment.



# CERTIFICATE OF COMPLIANCE



## 9 to 5 Seating Zoom

96500-420

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Certificate Number

12/21/2017 - 06/08/2019

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Certificate Period

Certified

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Status

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

Commercial furniture and furnishings are tested in accordance with ANSI/BIFMA M7.1-2011(R2016) and determined to comply with ANSI/BIFMA X7.1-2011(R2016) and ANSI/BIFMA e3-2014e Credit 7.6.1, 7.6.2, and 7.6.3. Seating products are modeled in the seating environment with a ventilation rate of 24.8 m<sup>3</sup>/hour. Products also determined compliant in accordance with California Department of Public Health (CDPH) Standard Method V1.2-2017.

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



**Environment**

## GREENGUARD Gold Certification Criteria for Office Furniture Seating

Criteria	CAS Number	Maximum Allowable Predicted Concentration	Units
TVOC <sup>(A)</sup>	-	0.22	mg/m <sup>3</sup>
Formaldehyde	50-00-0	4.5 (3.65 ppb)	µg/m <sup>3</sup>
Total Aldehydes <sup>(B)</sup>	-	0.043	ppm
4-Phenylcyclohexene	4994-16-5	6.5	µg/m <sup>3</sup>
1-Methyl-2-pyrrolidinone <sup>(C)</sup>	872-50-4	80	µg/m <sup>3</sup>
Individual VOCs <sup>(D)</sup>	-	1/4 CREL or 1/100th TLV	-

- (A) Defined to be the total response of measured VOCs falling within the C<sub>6</sub> – C<sub>16</sub> 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 m<sup>3</sup>/day.
- (D) Allowable levels for chemicals not listed are derived from the lower of 1/4 the California Office of Environmental Health Hazard Assessment (OEHHA) Chronic Reference Exposure Level (CREL) as required per the CDPH/EHLB/Standard Method v1.2 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**