

# GALAXY ENVIRONMENTAL DATA SHEET

**CALCTRA**  
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**Product:** Galaxy **Product Category:** Frame and Tile System

## PANEL FRAME

Design			
Office furniture systems are required to endure a great deal of strain due to usage over their life span. As a result, durability was a major criteria in the design of the Galaxy system. Durability, in conjunction with interchangeable tiles and stackable panels, increases the longevity of Galaxy's life span. The majority of components used to build the system can be disassemble for recycling separation at the end of its life.			
Manufacturing			
Location:	Toronto, Ontario		
Process:	Welding / Powder Painting / Assembly		
Composition of Materials (LEED NC & CI Credit 4.1 and 4.2)			
Material	Percentage by Weight	Recycled Content	Ability to Recycle (% recyclable)
Steel	93%	25%	100%
Powder Paint			
Plastic connectors	2%		100%
Aluminum	5%		100%
Notes:			
Indoor Air Quality			
Test Methodoly:	GREENGUARD	Test Location:	Marietta, Georgia
		Test Date:	10/15/2008
Standard	Analyte	Criteria	Conformance
State of Washington (SOW)	Formaldehyde	0.025 ppm	✓
	TVOC	0.250 mg/m <sup>3</sup>	✓
	Meets 1/10 <sup>th</sup> TLV for emitting VOCs		✓
	Meets any regulated primary or secondary National Ambient Air Quality Standard (NAAQS)		✓
U.S. Environmental Protection Agency (EPA)	TVOC	0.25 mg/m <sup>3</sup>	✓
	Formaldehyde	0.025 ppm	✓
	Total Aldehydes	0.05 ppm	✓
	4-phenylcyclohexane	0.0065 mg/m <sup>3</sup>	✓
Title VI of the 1990 Clean Air Act Amendments (CFCs & HCFSS)			
This product does not contain and is not manufactured with ozone depleting chemicals.			
U.S. Occupational Safety & Health Administration (OSHA)	Formaldehyde	0.10 ppm	✓
World Health Organization (WHO)	Formaldehyde	0.10 ppm	✓
United States Green Building Council Leadership in Energy and Environmental Design (LEED-CI)	TVOC	<0.25 mg/m <sup>3</sup>	✓
	Formaldehyde	<0.025 ppm	✓
	Total Aldehydes	<0.05 ppm	✓
LEED-CI Credit 4.5	4-phenylcyclohexane	<0.0065	✓
GREENGUARD	TVOC	<0.25 mg/m <sup>3</sup>	✓
	Formaldehyde	<0.025 ppm	✓
	Total Aldehydes	<0.05 ppm	✓
	4-phenylcyclohexane	<0.00325	✓
Notes:	Additional data and test results available upon request		
Applicable Programs and Ratings			
Program	Applicability/Standard	Rating	
BIFMA Furniture Emission Standards	Option C	Compliance, October 2007	
LEED-CI	Materials and Resources	Credit 4.2	
	Indoor Environmental Quality	Credit 4.5 - Meets Indoor Air Quality Specifications	
ISO 14001:2004	Environmental Management Systems	Compliance	
Notes:	Adding 50% of the post-industrial recycled content and 100% of the post-consumer recycled content and then dividing the resulting weight by the total weight of the product derives the value factor. Multiplying the value factor by the total value of the product determines the product's contribution toward the Project's		

## FABRIC TILE

Design			
Office furniture systems are required to endure a great deal of strain due to usage over their life span. As a result, durability was a major criteria in the design of the Galaxy system. Durability, in conjunction with interchangeable tiles and stackable panels, increases the longevity of Galaxy's life span. The majority of components used to build the system can be disassemble for recycling separation at the end of its life.			
Manufacturing			
Location:	Toronto, Ontario		
Process:	Steel fabrication / Upholstery		
Composition of Materials (LEED NC & CI Credit 4.1 and 4.2)			
Material	Percentage by Weight	Recycled Content	Ability to Recycle (% recyclable)
Steel	97%	25%	100%
Fabric	3%	100%	Recycle where possible
Notes:			
Indoor Air Quality			
Test Methodoly:	GREENGUARD	Test Location:	Marietta, Georgia
		Test Date:	10/15/2008
Standard	Analyte	Criteria	Conformance
State of Washington (SOW)	Formaldehyde	0.025 ppm	✓
	TVOC	0.250 mg/m <sup>3</sup>	✓
	Meets 1/10 <sup>th</sup> TLV for emitting VOCs		✓
	Meets any regulated primary or secondary National Ambient Air Quality Standard (NAAQS)		✓
U.S. Environmental Protection Agency (EPA)	TVOC	0.25 mg/m <sup>3</sup>	✓
	Formaldehyde	0.025 ppm	✓
	Total Aldehydes	0.05 ppm	✓
	4-phenylcyclohexane	0.0065 mg/m <sup>3</sup>	✓
Title VI of the 1990 Clean Air Act Amendments (CFCs & HCFsS)	This product does not contain and is not manufactured with ozone depleting chemicals.		
U.S. Occupational Safety & Health Administration (OSHA)	Formaldehyde	0.10 ppm	✓
World Health Organization (WHO)	Formaldehyde	0.10 ppm	✓
United States Green Building Council Leadership in Energy and Environmental Design (LEED-CI)	TVOC	<0.25 mg/m <sup>3</sup>	✓
	Formaldehyde	<0.025 ppm	✓
	Total Aldehydes	<0.05 ppm	✓
LEED-CI Credit 4.5	4-phenylcyclohexane	<0.0065	✓
GREENGUARD	TVOC	<0.25 mg/m <sup>3</sup>	✓
	Formaldehyde	<0.025 ppm	✓
	Total Aldehydes	<0.05 ppm	✓
	4-phenylcyclohexane	<0.00325	✓
Notes:	Additional data and test results available upon request		
Applicable Programs and Ratings			
Program	Applicability/Standard	Rating	
BIFMA Furniture Emission Standards	Option C	Compliance, October 2007	
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