

Product pictured is not the exact style of the product studied in this document.

Lagunitas Lounge

Product Environmental Profile is an environmental declaration according to the objectives of ISO 14021. Precise, accurate, verifiable and relevant information on sustainability attributes of Lagunitas Lounge.

From the conventional to the casual, Lagunitas adapts to changing workstyles and shifting work postures. A comprehensive seating and table collection, Lagunitas creates a “third place” anywhere while offering multi-modal support and varying degrees of privacy through high and low panels. The unique articulating back cushion allows for toggling between lean forward and lean back postures. The 44 pieces within the collection allow for endless configurations and the seating and tables both offer power.

The model chosen for analysis is the most representative line (reference # COLAGLH3) from the Lagunitas range. Standard features on this model include:

- 1, 2, or 3 seaters
- articulating back cushion
- low or high panels
- seating offer power options

Life Cycle Performance

Steelcase considers each phase of the life cycle: from materials extraction, production, transport, use and reuse, through the end of its life.

Materials

This phase includes raw materials extraction and transformation into material ready to be used.

- **Lagunitas Lounge contains 15.1% recycled materials**, by weight (6.2% pre-consumer + 8.8% post-consumer).
- **Eco-labelled textiles OekoTex / EU Ecolabel / Cradle to Cradle Certified™** and rapidly renewable wool textiles available to specify with product.
- **Packaged with 100% recycled cardboard.**
- **No REACh Substances of Very High Concern (SVHC)** present at concentrations greater than 0.1% according to data/declarations provided by our suppliers.

Production

This phase comprises all production and assembly processes taking place at Steelcase or at their suppliers and sub-suppliers.

- Final assembly of Lagunitas Lounge is in Tarnowo Podgórze, Poland for Steelcase for the EMEA (Europe, Middle East, and Africa) markets.

Transport

This phase includes downstream transports.

- Made in Europe

Use

During the use phase of the product - the longest phase of the life cycle - no significant environmental impacts occur.

- **Designed for a long product life**, with replaceable parts that are easy to change.
- Cleaning with only soapy water.
- Maintenance information available upon request.

End of Use

Any product can become a resource itself, or be responsibly disposed of in different ways.

- **Designed to enable responsible end of use strategies** - re-selling, refurbishing, charitable donation or recycling.
- **71% recyclable by weight**, according to the current waste disposal schemes.
- **100% recyclable packaging.**
- **Designed for quick and easy disassembly of materials** - with no permanent assembly.
- **Primary plastic parts clearly labelled for easy sorting and effective recycling**, according to ISO 11469.

Materials

Lagunitas Lounge materials composition is listed below*.



METALS

	kg	%
Steel	63.9	37
Aluminum (cast)	<0.1	<0.1



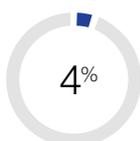
OTHER MATERIALS

	kg	%
Polyurethane foam	19.7	11.4
Polyester fabric	12.3	7.2
Fiberglass	1.8	1.0
Other	0.2	0.1



WOOD BASED MATERIALS

	kg	%
Plywood	11.6	6.7
Cardboard	1.8	1.0



PLASTICS

	kg	%
Polypropylene (PP)	4.7	2.7
Polyethylene terephthalate (PET)	1.8	1.1
Nylon 6 (PA6)	0.15	0.1



PACKAGING

	kg	%
MDF	35.1	20.4
Cardboard	11.2	6.5
Plywood	6.8	3.9
Low density polyethylene (LDPE)	1.4	0.8

TOTAL WEIGHT – incl. packaging 172.4

*The list of materials does not contain all materials used in the product (adhesives, coatings, residuals, etc.).

Materials Chemistry

Steelcase’s goal in its materials chemistry practice is to design products with materials that are ecologically sound, and that mitigate the risk to human and environmental health, throughout all phases of the life cycle.

We have contacted our suppliers for all products sold in the European Union to ensure that our products are compliant with REACH (Registration, Evaluation, Authorization and Restriction of Chemicals). When information from suppliers is not available, we rely on testing to ensure that our products meet required standards.

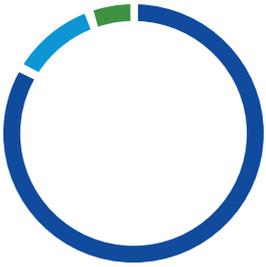
Technology components are RoHS compliant (Reduction of Hazardous Substances), meaning that Lagunitas Lounge doesn’t contain any of the six hazardous chemicals and chemical compounds listed by the RoHS European Directive.

Steelcase intends to refrain purchasing products, components, or materials containing any “Democratic Republic of the Congo (DRC) Conflict Minerals” (coltan (from which tantalum is derived), cassiterite (tin), gold, wolframite (tungsten), or their derivatives), and any other minerals or derivatives which the U.S. Secretary of State determines to be financing conflict in the DRC or an adjoining country.

Recycled Materials and Recyclability

Recycled materials are determined by weight and defined in accordance with the ISO 14021. They may include pre- and post-consumer materials:

- Pre-consumer materials (or post-industrial recycled materials) are materials diverted from the waste stream during a manufacturing process. Excluded is reutilization of materials such as rework, regrind or scrap generated in a process and capable of being reclaimed within the same process that generated it.
- Post-consumer materials are materials generated by households or by commercial, industrial and institutional facilities in their role as end-users of the final product, which can no longer be used for its intended purpose. This includes returns of material from the distribution chain.



LAGUNITAS LOUNGE

	kg	%
Pre-consumer recycled content	7	6.2
Post-consumer recycled content	10	8.8
Total recycled content	17	15.0

- Pre consumer - Recycled content
- Post consumer - Recycled content
- Virgin material

*Calculations of recycled materials are based on data provided by professional organizations, suppliers and other available information. Recycled content figures are based off of product weight only, and exclude packaging for evaluation to LEED contribution and other purposes. This data may include industry averages, ranges or other broadly based information. Steelcase makes conservative assumptions when compiling this information to provide the most accurate recycled content calculations possible but variability in market conditions or manufacturing processes may result in higher or lower content. This document will be reviewed and updated periodically and is subject to change without notice.

Recyclability

Steelcase considers a material recyclable if it can be effectively collected, sorted, processed, and converted into raw materials to be used in the production of new products.*Recyclability calculation does not include packaging.



71%

According to the available waste management infrastructures, we estimate that 71% is recyclable.

*To be compliant with applicable regulations, Steelcase calculations are based on the materials having physical properties that allow recycling, our evaluation of the ability to disassemble the products and that actual availability of recycling services in the markets where the products are sold.

LEED V3 – 2009

LEED, or Leadership in Energy & Environmental Design, is a green building certification program that recognizes best-in-class building strategies and practices. Lagunitas Lounge may contribute to a project's pursuit of LEED certification across the three rating systems:

- LEED-ID+C - Interior Design & Construction 2009 (formerly LEED-CI)
- LEED-BD+C - Building Design & Construction 2009 (formerly LEED-NC, LEED-Core & Shell & LEED-Schools)
- LEED-O+M - Operations & Maintenance (formerly LEED-EB)

CREDITS	RATING SYSTEM			POTENTIAL CONTRIBUTION*
	ID+C	BD+C	O+M	
Materials & Resources				
Recycled content	MRc4	MRc4 Healthcare: MRc5 Option 3	MRc2.2: Sustainable purchasing- Furniture	Lagunitas Lounge contributes to the project recycled content criteria: post-consumer (9%) + ½ pre-consumer (6%) = 12%.
Materials reuse	MRc3.2	MRc3 Healthcare: MRc5 Option 3		If chosen for reuse, this product can contribute to the 30% valuation of the furniture & furnishings budget
Regional materials	MRc5	MRc5 Healthcare: MRc5 Option 3		Lagunitas Lounge is assembled in Tarnowo Podgórze, Poland for EMEA orders. Projects <500 miles from this location qualify.
Indoor Environmental Quality				
Daylight and views	EQc8.1 & 8.2	EQc8.1 & 8.2*	EQc2.4	Steelcase offers a range of products and application thought starters to assist customers in achieving these credits.

*For potential contribution: These are the probable contributions; exact contributions will be dependent on the LEED rating system and the specific product.

**For LEED BD+C: New construction, these standards do not currently apply to furniture in the IEQ credit; however, the USGBC has allowed equivalent credit for furniture / furnishings when submitted as an Innovation in Design credit.

LEED V4

LEED is a rating system that drives integrated design thinking as it relates to various aspects of green buildings. Lagunitas Lounge can contribute to a project's pursuit of LEED Certification across the three rating systems:

- LEED-ID+C - Interior Design & Construction
- LEED-BD+C - Building Design & Construction
- LEED-O+M - Operations & Maintenance

CREDITS	RATING SYSTEM			POTENTIAL CONTRIBUTION*
	ID+C	BD+C	O+M	
Materials & Resources				
Interiors life-cycle impact reduction	Option 2: Furniture Reuse	N/A	Purchasing - facility maintenance and renovation	Steelcase products are designed to be long lasting and durable-- often making reuse a feasible option, depending on project needs and desirability.
Interiors life-cycle impact reduction	Option 3: Design for flexibility	N/A		Lagunitas is designed to be adaptable for design needs today and in the future-- and can easily be changed to remain on pace with evolving business needs.
Building product disclosure and optimization - sourcing of raw materials	Option 2: Leadership extraction practices	Option 2: Leadership extraction practices Healthcare - Medical furniture & furnishings Option 3: Multi-attribute assessment		Option 2: furniture
Construction & Demolition Waste Planning & Management	Required	Required	N/A	Steelcase uses several innovative packaging initiatives to minimize our waste impact (see transport section). These efforts may help to contribute, in part, towards achieving this prerequisite or credit.

*For potential contribution: These are the probable contributions; exact contributions will be dependent on the LEED rating system and the specific product.

Other Potential LEED V4 Contributions

CREDITS	RATING SYSTEM			POTENTIAL CONTRIBUTION*
	ID+C	BD+C	O+M	
Indoor Environmental Quality				
Quality views	Credit	Credit	Credit	Steelcase offers a range of products and application thought starters, though several other factors play into achieving this credit, beyond the scope of furniture.

*For potential contribution: These are the probable contributions; exact contributions will be dependent on the LEED rating system and the specific product.

Refer to www.usgbc.org for LEED Program details.

Steelcase sustainability related actions and results are communicated annually in the [Corporate Sustainability Report](#). >

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