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

Gesture

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

Gesture is the first chair designed to support our interactions with today's technologies. Inspired by the human body. Created for the way we work today.

Gesture:

- has a synchronized system moving with each user to provide continuous and persistent support.
- offers unique arms which move like the human arm, allowing users to be supported in any position
- possesses a seat that brings comfort all the way to the edges.
- features a wide variety of adjustments allowing it to fit a important palette of users and spaces

The model chosen for analysis is the most representative one (reference 442A30) from the Gesture range. Standard features on this model include:

- plastic base
- seat upholstery: "Connect"
- 360 arms
- back upholstery: "Connect"

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Steelcase

Environmental Overview

Final Assembly Location

Final assembly of Gesture is in Reynosa, Mexico, by Steelcase, for the Americas market.

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.

To measure the environmental impacts of Gesture, Steelcase performed a Life-Cycle Assessment (ISO 14040-44), the results of which are disclosed in an Environmental Product Declaration (EPD – ISO 14025).

Materials

Materials Composition

A break down of the basic materials in Gesture.

Materials Chemistry

Steelcase's materials chemistry practice aims to design products with materials that support human and environmental health, throughout all phases of the life cycle.

Recycled Materials and Recyclability

Gesture contains 25% recycled materials, by weight (17% pre-consumer + 8% post-consumer).

At the end of its useful life, Gesture is 85% effectively recyclable by weight.

Certificates

The environmental and social performance of Gesture is communicated through the following voluntary labels / certifications:

- SCS Indoor Advantage™ Gold
- Environmental Product Declaration (EPD)
- BIFMA level®

LEED Contribution

Gesture may contribute in the following areas:

- Recycled content
- Materials reuse
- Regional materials
- Rapidly renewable materials
- Low-emitting materials
- Material Ingredients

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.

- **Gesture contains 25% recycled materials,** by weight (17% pre-consumer + 8% post-consumer).
- **Plastic parts** do not contain pigments with Cadmium, Chrome VI and Mercury
- **Eco-labelled textiles** and rapidly renewable wool textiles available to specify with product.
- **Materials chemistry assessment** completed for this product.
- **Low formaldehyde & VOC emissions** / concentration according to ANSI/BIFMA X7.1 and ANSI/BIFMA e.3 VOC's of concern

Production

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

- Final assembly of Gesture is in Reynosa, Mexico, by Steelcase, for the Americas market.
- This plant is ISO 14001 certified.
- Water - based adhesives used in assembly.

Transport

This phase includes downstream transports.

- Bulk packaging used for this product, wherever possible, to optimize volume in shipping.

Use

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

- Product meets ANSI/BIFMA Standards M7.1/X7.1 for low- VOC emissions to indoor air quality - SCS Indoor Advantage™ Gold.

End of Use

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

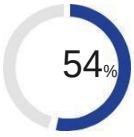
- Designed to enable responsible end of use strategies - re-selling, refurbishing, charitable donation or recycling.
- Designed for a quick and easy disassembly of materials - with no permanent assembly.
- Disassembly and recycling directions available upon request, for a representative configuration.
- 85% effectively recyclable by weight, according to the current waste disposal schemes.
- 100% effectively recyclable packaging.
- Primary plastic parts clearly labelled for easy sorting and effective recycling, according to ISO 11469.

For more information

Ask for the Environmental Product Declaration (EPD) (according to ISO 14025) which communicates the estimated environmental impacts of this product throughout its life cycle, using the life cycle assessment methodology ISO 14040/14044.

Materials

Gesture materials composition is listed below*.



METALS

	kg	lb	%
Steel	12.5	27.7	48.7
Aluminum	1.3	2.8	4.9
Stainless steel	0.1	0.3	0.5
Zinc (Zamak)	<0.1	0.1	0.2
Bronze	<0.1	<0.1	<0.1

PLASTICS

	kg	lb	%
Glass-filled nylon (PA-GF)	3.7	8.1	14.2
Polypropylene (PP)	3.3	7.2	12.7
Glass-filled nylon 66 (PA66-GF)	1.2	2.6	4.7
Nylon 6 (PA6)	0.8	1.8	3.2
Polyoxymethylene (POM)	0.5	1.1	2.0
Thermoplastic elastomer (TPE)	0.3	0.6	1.1
Nylon 66 (PA66)	0.1	0.2	0.5
Polybutylene terephthalate/ polycarbonate (PBT/PC)	<0.1	0.1	0.2
Glass-filled nylon 6 (PA6-GF)	<0.1	0.1	0.2
Polyethylene terephthalate (PET)	<0.1	<0.1	<0.1%
Polybutylene terephthalate (PBT)	<0.1	<0.1	<0.1%
Polypropylene/ethylene propylene diene (PP/EPDM)	<0.1	<0.1	<0.1%
Synthetic rubber	<0.1	<0.1	<0.1%

OTHER MATERIALS

	kg	lb	%
Polyurethane foam	1.1	2.5	4.4
Powder coating	0.3	0.7	1.2
Polyester fabric	0.2	0.5	0.9
Fiberglass	<0.1	0.1	0.2
Polyester wadding	<0.1	0.1	0.1
Natural rubber	<0.1	0	<0.1

TOTAL WEIGHT – incl. packaging	**25.7**	**56.8**

*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 have been evaluated or assessed for several human and environmental health criteria – all in an effort to understand and optimize the products throughout their life cycle.

At least 75% of the materials in this product have been assessed and rated against 24 human health and environmental criteria.

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.

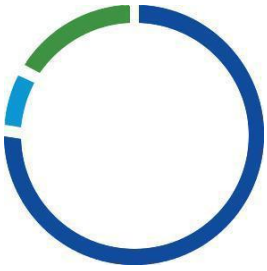
(1) Cradle to Cradle Certified™ is a certification mark licensed by the Cradle to Cradle Products Innovation Institute.

Recycled Materials and Recyclability

Recycled materials are calculated 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.



GESTURE

	kg	lb	%
Pre-consumer recycled content	4.3	9.5	17
Post-consumer recycled content	2.2	4.9	8
Total recycled content	**6.5**	**14.3**	**25**

- 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

Recyclability is the characteristic of materials that still have useful physical or chemical properties after serving their original purpose and that can, therefore, be reused or remanufactured into additional products.

85%

According to the available waste management infrastructures, we estimate that 85% is effectively recyclable.

*Excludes packaging. 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 the actual availability of recycling services in the markets where the products are sold.

Certificates

To show continuous improvements, Steelcase communicates the environmental and social performance of its products through voluntary labels and declarations.

ON THE PRODUCTS

EPD

This product has gone through the LCA methodology, which results have been communicated through a voluntary Type III Environmental Product Declaration, according to the objectives of ISO 14025.

SCS IndoorAdvantage™ Gold

This product is Indoor Advantage™ Gold certified, according to the indoor air quality emissions requirements defined by the ANSI/ BIFMA M7.1- 2011.

BIFMA level®

This product is level® 3 certified, BIFMA's sustainability certification program for furniture. This certification program assesses a products impact to materials, energy & atmosphere, human & ecosystem health, and social responsibility.

ON THE MATERIALS

Cradle to Cradle Certified™

A selection of textile options are Cradle to Cradle Certified™ Silver, which assesses and rates products for material health, material reutilization, renewable energy and carbon management, water stewardship, and social fairness.

ON THE PLANTS

ISO 14001

The plant in Reynosa, Mexico, is ISO (International Organization for Standardization) 14001 - Environmental management system certified.

[1] Indoor Advantage™ and Indoor Advantage™ Gold are trademarks of Scientific Certification Systems.

[2] Cradle-to-Cradle Certified CM is a certification mark licensed by the Cradle to Cradle Products Innovation Institute. ©

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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. The entire Gesture range 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-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	Gesture Contributes to the project recycled content criteria: post-consumer (8%) + ½ pre-consumer (17%) = 16.5%.
Materials reuse	MRc3.2	Healthcare: MRc5 Option 3		If chosen for reuse, this product can contribute to the 30% valuation of the furniture & furnishings budget
Regional materials	MRc5	Healthcare: MRc5 Option 3		Gesture is assembled in Reynosa, Mexico for Americas orders. Projects < 500 miles from this location qualify.
Rapidly renewable materials	MRc6	MRc6 Healthcare: MRc5 Option 3		Steelcase offers select textile and surface material options that may contribute to this credit.
Indoor Enviromental Quality				
Low emitting materials	EQc4.5	Healthcare: MRc5 Option 2	N/A	Gesture is SCS Indoor Advantage™ Gold (depending on options) certified for indoor air quality in North America.

*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, or Leadership in Energy & Environmental Design, is a green building certification program that recognizes best-in-class building strategies and practices. The entire Gesture line may 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-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 Option 2: furniture	Steelcase products are designed to be long lasting and durable-- often making reuse a feasible option, depending on project needs and desirability.
Building product disclosure and optimization - material ingredients	Option 1: Material Ingredient Reporting	Option 1: Material Ingredient Reporting Furniture and medical furnishings Option 3: Multi - attribute assessment		Gesture is Bronze, which contributes to this credit.
Indoor Enviromental Quality				
Low-emitting materials	Option 1: Product Category Calculations or Option 2: Budget Calculation Method	Required Option 1: Product Category Calculations or Option 2: Budget Calculation Method Furniture and medical furnishings Option 1: testing and modeling of chemical content	Purchasing - facility maintanance & renovation Option 2: Furniture	Gesture is SCS Indoor Advantage™ Gold certified for indoor air quality in North America.

*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	
Materials & Resources				
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.
Pilot Credits: **The following credits are potential contribution areas for Steelcase products and applications**				
Environmentally preferable finishes and furnishings	MR Pilot	MR Pilot	N/A	Gesture is level® 3 certified, which contributes to this pilot credit.
Social equity in the supply chain	N/A	MR Pilot	N/A	Gesture is level® 3 certified, which contributes to this pilot credit which demonstrates compliance to ANSI/BIFMA e3 sustainability standard - social responsibility sections 8.72.1 and 8.7.2.2

*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.**

Steelcase®

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