

Answer Panel

AMER



Certified Environmental Product Declaration
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About this product

Designed for the open floor plan, Answer™ panel strikes a perfect balance between privacy and team interaction. Through an impressive variety of application and materiality options, Answer panel helps you achieve your right office today and tomorrow.

The reference product is Answer panel for multiple users. The floor space is 6.74 m² meaning 0.148 units are required to meet the functional unit of 1 m² of physical floor space.

Date of Issue: March 23rd, 2026
Date of Expiration: March 23rd, 2031

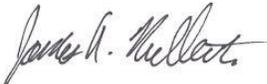
Learn more

- Explore Steelcase environmental philosophy and commitments [overview](#).
- Find product details and sustainability certifications on the [product page](#) at steelcase.com.
- See our product [warranty](#).
- Contact epd@steelcase.com for any EPD-related questions or inquiries.

About this document

This declaration describes the Life Cycle Assessment of Answer Panel produced for the Americas market by Steelcase Inc. in multiple manufacturing locations in north and central America. The assessment is performed according to the ISO standards 14040 (2006), 14044 (2006) and 14025 (2006), and BIFMA PCR for Office Furniture Workspace v2 March 2025: UNCPC 3814 to generate an EPD for business-to-business communication.

ASSESSMENT OVERVIEW

EPD commissioner	Steelcase® Inc
Corporate Address	901 44th Street SE Grand Rapids, Michigan 49508-7594 United States
Product group	Workspace
Product name	Answer Panel
Product intended use	Office furniture
Product reference service life	10 years
Reference standards	ISO 14025, ISO 14040, ISO 14044, ISO 21930
EPD scope	Cradle-to-gate with options A1-A3, A4-A5, B1, B4, C1-C4, and optionally D
EPD number	EPD11213
Date of issuance	March 23 rd , 2026
Date of expiration	March 23 rd , 2031
EPD type	Product specific
EPD Product Coverage	Answer Panel for the Americas market
Intended audience	Business to business (B2B)
Year of reported manufacturer data	2025
Functional unit	One square meter of physical floor space for a reference service life of 10 years
Applicable markets/regions	AMER
LCA software and database version	GaBi 10.6.2.9; GaBi database, 2022.2
LCIA methodology and version number	TRACI 2.2, CML2001, IPPC AR6, ISO 21930
Program administrator	NSF Certification LLC 789 N. Dixboro, Ann Arbor, MI 48105 www.nsf.org
Reference PCR and version number	BIFMA PCR for Office Furniture Workspace Products UNCPC 3814, Version 2
PCR reviewer	Review Panel Chaired by Alex Mlsna
EPD reviewer	<p>External review conducted by:</p>  <p>Jim Mellentine, Thrive ESG This declaration and its Life Cycle Assessment was independently verified in accordance with ISO standards 14040 (2006), 14044 (2006) and 14025 (2006), BIFMA PCR for Office Furniture Workspace v2 March 2025, and ISO 21930.</p>
LCA reviewer	<p>External review conducted by:</p>  <p>Jim Mellentine, Thrive ESG The product Life Cycle Assessment was conducted in accordance with ISO 14044, ISO 21930, and the reference PCR.</p>
Disclaimer	<p>The PCR this EPD was based on was written to determine the potential environmental impacts of a workspace product from cradle-to-gate with options A1-A3, A4-A5, B1, B4, C1-C4, and optionally D. It was not written to support comparative assertions. EPDs based on different PCRs, or different calculation models, may not be comparable. When attempting to compare EPDs or life cycle impacts of products from different companies, the user should be aware of the uncertainty in the results, due to and not limited to, the practitioner’s assumptions, the source of the data used in the study, and the specifics of the product modeled.</p>

ASSESSMENT PARAMETERS

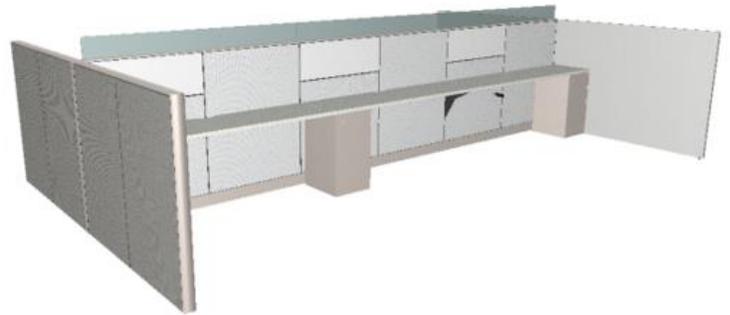
Functional unit

One square meter of physical floor space for a reference service life of 10 years under ANSI/BIFMA X5.6-2016 (R2021), Panel Systems.

The floor space of the referenced model is 6.74 m² meaning 0.148 units are required to meet the functional unit of 1 m² of physical floor space. All Answer Panel components have a 10-year Limited Lifetime Warranty.

Product scope

The product assessed is a typical application that represents Answer Panel's statement of line: One Answer Panel 6 pack of workstations with 48H x 60W tackable acoustic fabric nonpowered panel returns on one side and a single connect, straight split Answer Boundary screen that is 48H x 75W on the other side. The spine of the workstation pack is a mix of tackable acoustic fabric skins and markerboard skins that have power in the base and 6H frameless fiberglass that runs along the spine. In addition, the pack of workstations has three panel mounted worksurfaces on each side. One side of the workstation pack has three 18D x 72W straight Laminate worksurfaces supported by 2 Universal fixed box, box, file flush steel front pedestals. The other side has three 24D x 72W straight laminate worksurfaces supported by 3 Universal lateral files with 2 drawers and proud steel fronts that are 28D x 30W. Styles included in the assessment:



RLF18302P - Universal; Lateral file, 2 drawers, Proud steel front, 18D x 30W x 28H
 RLF18362P - Universal; Lateral file, 2 drawers, Proud steel front, 18D x 36W x 28H
 RPCW - Counterweight-Pedestal
 RPF1827AF - Pedestal-Fixed, 2 box / 1 file, Flush steel front, 17 1/2D x 15W x 27H
 RPF1827BP - Pedestal-Fixed, 2 file, Proud steel front, 18 3/8D x 15W x 27H
 TS71236MB - Skin-Markerboard, 12H x 36W
 TS71SSX - Receptacle-System ground, Line 1, 3+1
 TS73036TK - Panel skin-Tackable acoustical, 30H x 36W
 TS730THF - Frame-Horizontal package, Thin, 30W
 TS736THF - Frame, Horizontal package, Thin, 36W
 TS74230TK - Panel skin-Tackable acoustical, 42H x 30W
 TS74230TKF - Panel skin-Tackable acoustical, Floor, 42H x 30W
 TS74236TK - Panel skin-Tackable acoustical, 42H x 36W
 TS748TEPJ - Junction-End of run, Thin, 48H

TS748TEPJ - Junction-End of run, Thin, 48H
 TS748TIPJ - Junction-In line, Thin, 48H
 TS748TTPJ - Junction-T, Thin, 48H
 TS7672TFGR - Screen-Frameless glass, Recessed, Thin, 6H x 72W
 TS7FGJG - Grommet-Junction, Package quantity 2, Frameless glass application
 TS7PK36X - Kit-Power, 3+1, 36W
 TS7PT36X - Kit-Power, 3+1, Pass through, 36W
 TS7SCSPT - Screen-Single Connect, Straight, Split
 TS7STLS1 - In line-Spanning Top Cap, Package quantity 1, Lightseal
 TS7TFGRC - Connector-Top cap, Frameless glass application
 UCANT - Cantilever, On module application, 16W x 13D
 UCANT - Cantilever, On module application, 16W x 13D
 USSBR - Bracket-Side support
 USWS - Worksurface-Straight, Laminate, Plastic edge profile

Results presented on the subsequent pages are for Answer Panel manufactured in multiple Steelcase plants: Athens, Alabama; Grand Rapids, Michigan; and Tijuana, Mexico. Per the PCR, Answer Panel is classified as subcategory Option B: Panels in addition with other office components intended for one person.

Assessment goal and scope

The potential environmental impacts of Answer Panel and its packaging throughout its entire life cycle – including raw materials extraction, production, transport, use, and end of life – were assessed. In the absence of primary information, the GaBi database was used for secondary data.

The life cycle stages included in this assessment follow the BIFMA PCR for Office Furniture Workspace Products UNCPC 3814, Version 2. Material acquisition and pre-processing (including transportation), production, distribution, use and end-of-life are assessed for the systems product.

Assessment boundary

The Life Cycle Assessment considers the full life cycle of the product as described here from cradle to gate A1-A3 with options, A4-A5, B1, B4, C1-C4, and optionally Module D. Life cycle stages included in this assessment follow the BIFMA PCR for Office Furniture Workspace V2 March 2025: UNCPC 3814. Because the BIFMA PCR serves as the core PCR, life cycle stages and phases are first presented according to the PCR for Workspace.

	Stage	Status
 <p>Cradle to inbound gate MATERIALS ACQUISITION Raw material extraction, pre-processing and transportation of materials to suppliers.</p>	A1. Raw material supply	✓
	A2. Transport	✓
	Gate to gate	
 <p>PRODUCTION PROCESS Transportation of furniture components and materials from Tier 1 suppliers to Steelcase final manufacturing facility. External and internal production</p>	A3. Manufacturing	✓
	Gate to grave	
 <p>DISTRIBUTION, USE AND END OF LIFE Distribution of products, installation, use and end of life.</p>	A4. Transport	✓
	A5. Installation	✓
	B1. Use	✓
	B2. Maintenance/cleaning	MND
	B3. Repair	MND
	B4. Replacement	✓
	B5. Refurbishment	MND
	B6. Operational energy use	MND
	B7. Operational water use	MND
	C1. Disassembly	✓
	C2. Transport	✓
	C3. Waste processing	✓
	C4. Disposal	✓
	Beyond the boundary	D. Reuse/recovery

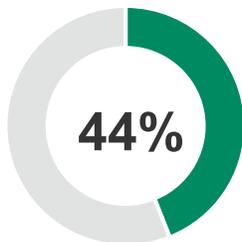
MATERIALS

The product composition, packaging composition, pre- and post-consumer recycled content, and recyclability visuals below relate specifically to 1 m² of the Answer Panel configuration listed above.

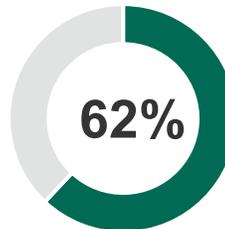
Product composition per functional unit			Post-consumer		Pre-consumer	
Material	Weight (kg)	Weight (%)	%	Weight (kg)	%	Weight (kg)
Steel	49.861	57.72%	24	11.73	22	10.74
Particle board	31.424	36.38%	0	0	50	15.71
Polyester fabric	2.960	3.43%	0	0	0	0
Fiberglass	1.422	1.65%	0	0	0	0
Plastics (ABS, PC, PE, Acetal)	0.358	0.41%	0	0	0	0
Nylon (6/66)	0.148	0.17%	0	0	0	0
Electrical components	0.137	0.16%	0	0	0	0
TPV	0.036	0.04%	0	0	0	0
PU	0.011	0.01%	0	0	0	0
Brass	0.019	0.02%	0	0	0	0
Zamak	0.007	0.01%	0	0	0	0
Total	86.383	100.00%	--	11.73	--	26.45

Product packaging per functional unit			Post-consumer		Pre-consumer	
Material	Weight (kg)	Weight (%)	%	Weight (kg)	%	Weight (kg)
Cardboard	11.758	50.90%	40	4.70	0	0
Solid wood	7.025	30.41%	0	0	0	0
Particle Board	1.162	5.03%	0	0	0	0
OSB	0.741	3.21%	0	0	0	0
Paper	0.711	3.08%	0	0	0	0
Foam	0.066	0.29%	0	0	0	0
EPE	0.148	0.64%	0	0	0	0
EPS	0.792	3.43%	0	0	0	0
Steel	0.131	0.57%	0	0	0	0
PE	0.364	1.57%	0	0	0	0
LDPE	0.040	0.17%	0	0	0	0
Other plastics	0.161	0.70%	0	0	0	0
Total	23.100	100.00%	--	4.70	--	0

Product recycled content* and recyclability** summary



TOTAL RECYCLED CONTENT *



RECYCLABILITY BY WEIGHT**

*Total recycled content based on supplier's data. The source of recycled content of various materials could be either post-industrial or post-consumer based on market availability. Excludes packaging.

**Recyclability rate is the maximum amount of the product that is recyclable, based on the availability of recycling facilities in the regions and the ability of the product to be disassembled. Per the requirements of the PCR, the end-of-life results presented in this EPD were calculated using the US EPA's Warm Model within the 2020 Municipal Solid Waste Report for parts that can be disassembled. Excludes packaging.

RESULTS

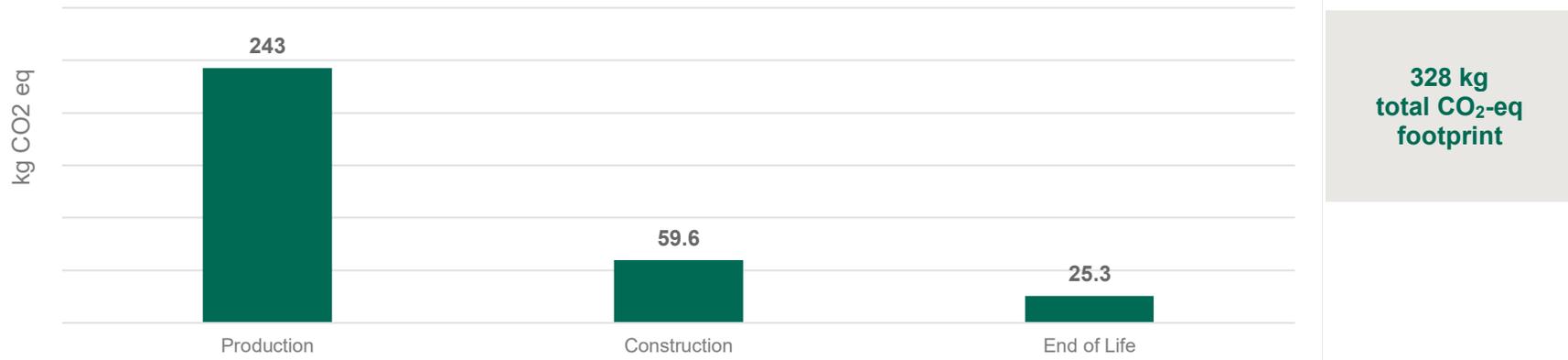
Life cycle impact by category and stage

Environmental impacts were calculated using the GaBi software platform. Impact results according to the BIFMA PCR have been calculated using TRACI 2.2, IPCC AR6, CML200, and ISO 21930 for multiple LC indicators. Results presented in this report are for one square meter of physical floor space for 10 years. Additionally, the results are relative expressions and do not predict impacts on category endpoints, the exceeding of thresholds, safety margins. Use stage modules B2, B3, B5-B7 not declared.

Methods: IPCC AR6, TRACI 2.2, ISO 21930, CML 2001

Environmental impact indicators	Unit	Production			Construction		Use		End of Life				Totals
		A1-A3	A4	A5	B1	B4	C1	C2	C3	C4			
(GWP) Global warming potential 100 years excludes biogenic carbon	kg CO2eq	2.43E+02	5.53E+01	4.29E+00	0	0	0	4.81E-01	2.97E+00	2.19E+01		3.28E+02	
(GWP) Global warming potential 100 years includes biogenic carbon	kg CO2eq	1.90E+02	5.55E+01	7.43E+00	0	0	0	4.83E-01	1.18E+01	3.18E+01		2.97E+02	
(AP) Acidification potential	kg SO2e	1.02E+00	3.07E-01	1.18E-02	0	0	0	2.90E-03	1.11E-02	6.72E-02		1.42E+00	
(POCP) Photochemical ozone creation	kg O3 eq	1.50E+01	7.04E+00	8.15E-02	0	0	0	7.71E-02	2.38E-01	3.50E-01		2.28E+01	
(EP) Eutrophication - marine	kg N eq	4.87E-01	2.87E-01	4.17E-03	0	0	0	2.49E-03	6.66E-03	2.12E-02		8.08E-01	
(ODP) Ozone depletion	kg CFC-11eq	1.08E-07	1.56E-11	8.79E-13	0	0	0	1.31E-13	2.23E-12	3.83E-12		1.08E-07	
Carbon emissions and removals													
(BCRP) Biogenic carbon removal from product	kg CO2eq	2.04E+00	0.00E+00	0.00E+00	0	0	0	0	0	0		2.04E+00	
(BCEP) Biogenic carbon emission from product	kg CO2eq	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	2.04E+00		2.04E+00	
(BCRK) Biogenic carbon removal from packaging	kg CO2eq	3.33E+01	0.00E+00	0.00E+00	0	0	0	0	0	0		3.33E+01	
(BCEK) Biogenic carbon emission from packaging	kg CO2eq	0.00E+00	0.00E+00	3.33E+01	0	0	0	0	0	0		3.33E+01	
(BCEW) Biogenic carbon emission from combustion of renewable waste used in production	kg CO2eq	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0		0.00E+00	
(CCE) Calcination carbon emissions	kg CO2eq	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0		0.00E+00	
(CCR) Carbonation carbon removal	kg CO2eq	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0		0.00E+00	
(CWNR) Carbon emission from combustion of non-renewable waste used in production	kg CO2eq	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0		0.00E+00	
Output flows and waste categories													
(HWD) Hazardous waste disposed	kg	0.00E+00	0.00E+00	0.00E+00	0	0	0	0.00E+00	0.00E+00	0.00E+00		0.00E+00	
(NHWD) Non-hazardous waste disposed	kg	4.97E-05	2.89E-06	7.45E-08	0	0	0	2.46E-08	1.75E-07	2.59E-07		5.31E-05	
(HLRW) High-level radioactive waste, conditioned, to final repository	kg	4.97E-05	2.89E-06	7.45E-08	0	0	0	2.46E-08	1.75E-07	2.59E-07		5.31E-05	
(ILLRW) Intermediate- and low-level radioactive waste, conditioned, to final repository	kg	4.17E-02	2.43E-03	6.77E-05	0	0	0	2.06E-05	1.48E-04	2.26E-04		4.46E-02	
(CRU) Components for re-use	kg	0.00E+00	0.00E+00	0.00E+00	0	0	0	0.00E+00	0.00E+00	0.00E+00		0.00E+00	
(MFR) Materials for recycling	kg	1.95E+00	0.00E+00	1.48E+01	0	0	0	0.00E+00	2.29E+01	0.00E+00		3.97E+01	
(MER) Materials for energy recovery	kg	0.00E+00	0.00E+00	0.00E+00	0	0	0	0.00E+00	0.00E+00	0.00E+00		0.00E+00	
(EEE) Recovered electrical energy exported from the product system	MJ	3.51E+00	0.00E+00	4.34E+00	0	0	0	0.00E+00	2.37E+01	0.00E+00		3.16E+01	
(EET) Recovered thermal energy exported from the product system	MJ	1.31E+00	0.00E+00	3.01E+00	0	0	0	0.00E+00	8.42E+00	0.00E+00		1.27E+01	
Resource use indicators													
(RPRe) Renewable primary resources used as energy carrier	MJ	4.98E+02	2.94E+01	5.76E-01	0	0	0	2.19E-01	2.43E-01	2.68E+00		5.32E+02	
(RPRm) Renewable primary resources with energy content used as material	MJ	3.45E+02	0.00E+00	0.00E+00	0	0	0	0.00E+00	0.00E+00	0.00E+00		3.45E+02	
(NRPRe) Non-renewable primary resources used as energy carrier	MJ	3.12E+03	7.09E+02	5.03E+00	0	0	0	6.07E+00	1.89E+01	1.88E+01		3.88E+03	
(NRPRm) Non-renewable primary resources with energy content used as material	MJ	1.59E+02	0.00E+00	0.00E+00	0	0	0	0.00E+00	0.00E+00	0.00E+00		1.59E+02	
(SM) Secondary materials	kg	5.23E+01	0.00E+00	0.00E+00	0	0	0	0.00E+00	0.00E+00	0.00E+00		5.23E+01	
(RSF) Renewable secondary fuels	MJ	0.00E+00	0.00E+00	0.00E+00	0	0	0	0.00E+00	0.00E+00	0.00E+00		0.00E+00	
(NRSF) Non-renewable secondary fuels	MJ	0.00E+00	0.00E+00	0.00E+00	0	0	0	0.00E+00	0.00E+00	0.00E+00		0.00E+00	
(RE) Recovered energy	MJ	0.00E+00	0.00E+00	0.00E+00	0	0	0	0.00E+00	0.00E+00	0.00E+00		0.00E+00	
(FW) Net freshwater use including water from electricity generation	M3	6.25E+00	3.18E-02	6.29E-03	0	0	0	2.39E-04	2.92E-02	5.71E-03		6.32E+00	
Primary energy demand (renewable-nonrenewable energy and materials)	MJ	4.12E+03	7.38E+02	5.61E+00	0	0	0	6.29E+00	1.91E+01	2.15E+01		4.91E+03	
(ADP) abiotic depletion potential fossil	MJ	3.29E+03	7.02E+02	4.84E+00	0	0	0	6.01E+00	1.69E+01	1.82E+01		4.04E+03	

Global warming potential summary



TECHNICAL INFORMATION AND SCENARIOS FOR MODULES BEYOND THE FACTORY GATE**A4: Transport to the installation site**

Parameter	Value per product	Value per product
Transportation type	Truck trailer	Ship
Fuel consumption (l/km)	0.42 diesel	130 heavy fuel oil
Distance*	3762 km	185 km

*Weighted average distance per product market share

A5: Installation in the building

Parameter	Value per functional unit
Installation Assumptions	No product waste Installed with hand tools
Energy use for installation	0 kWh
Transportation type for installation waste	Truck
Fuel consumption (l/km)	0.42 diesel
Distance	32.2 km
Cardboard + paper + wood for recycling	20.235 kg
Plastic for recycling	0.57 kg

B1, B2, B3, B4, B5, B6, B7: Use

There are no emissions, resources used, or transportation related to these modules

C1- C4: End-of-life

Parameter	Value per functional unit
Method of deconstruction	Hand tools
Method of recycling	Mechanical recycling
Method of energy recovery	Incineration
Final disposal of remaining parts	Landfilling
Transportation type	Truck
Fuel consumption (l/km)	0.42 diesel
Distance to waste processing site	32.2 km
Weight to recycling	17.04 kg
Weight to energy recovery	13.87 kg
Weight to landfill	55.47 kg

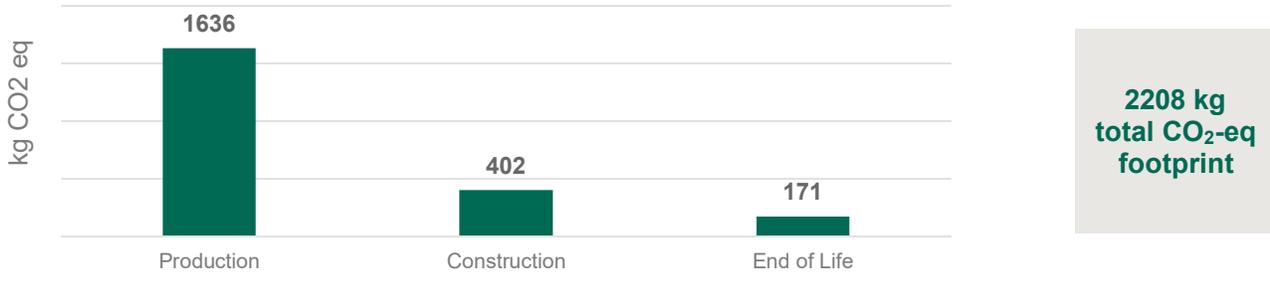
ADDITIONAL ENVIRONMENTAL INFORMATION

The following product composition, packaging composition, pre- and post-consumer recycled content and the global warming potential results represent the Answer Panel configuration in this study without scaling to the functional unit.

Product composition per declared unit			Post-consumer		Pre-consumer	
Material	Weight (kg)	Weight (%)	%	Weight (kg)	%	Weight (kg)
Steel	336.900	57.72%	24	79.26	22	72.57
Particle board	212.324	36.38%	0	0	50	106.16
Polyester fabric	20.000	3.43%	0	0	0	0
Fiberglass	9.608	1.65%	0	0	0	0
Plastics (ABS, PC, PE, Acetal)	2.419	0.41%	0	0	0	0
Nylon (6/66)	1.000	0.17%	0	0	0	0
Electrical components	0.928	0.16%	0	0	0	0
TPV	0.240	0.04%	0	0	0	0
PU	0.076	0.01%	0	0	0	0
Brass	0.127	0.02%	0	0	0	0
Zamak	0.048	0.01%	0	0	0	0
Total	583.67	100.00%	--	79.26	--	178.73

Product packaging per declared unit			Post-consumer		Pre-consumer	
Material	Weight (kg)	Weight (%)	%	Weight (kg)	%	Weight (kg)
Cardboard	79.445	50.90%	40	31.778	0	0
Solid wood	47.464	30.41%	0	0	0	0
Particle Board	7.851	5.03%	0	0	0	0
OSB	5.008	3.21%	0	0	0	0
Paper	4.807	3.08%	0	0	0	0
Foam	0.449	0.29%	0	0	0	0
EPE	1.00	0.64%	0	0	0	0
EPS	5.352	3.43%	0	0	0	0
Steel	0.887	0.57%	0	0	0	0
PE	2.457	1.57%	0	0	0	0
LDPE	0.272	0.17%	0	0	0	0
Other plastics	1.088	0.70%	0	0	0	0
Total	156.08	100.00%	--	31.778	--	0

IPCC AR6	Unit	Production			Use		End of Life				Totals
		A1-A3	A4	A5	B1	B4	C1	C2	C3	C4	
(GWP) Global warming potential 100 years excludes biogenic carbon	kg CO2eq	1.64E+03	3.73E+02	2.89E+01	0	0	0	3.25E+00	2.00E+01	1.48E+02	2.21E+03



Indoor air: Steelcase Systems products are certified with SCS’s Indoor Advantage Gold™ program, conforming to the ANSI/BIFMA Furniture Emissions Standard (M7.1/X7.1-2011 R2021) and CDPH/EHLB Standard Method (CA 01350) v1.2-2017. The certification can be found [here](#).

Improper disposal of product: At the end of its useful life, manage Steelcase products correctly in accordance with all applicable regulations for effective end-of-life management, including recycling, disposal, or incineration. Improper management may result in the release of chemicals that may represent a risk to the environment and human health & safety.

REFERENCES

- ANSI/BIFMA X5.5-2021, Desk and Table Products.
- ANSI/BIFMA X5.6-2016 (R2021), Panel Systems.
- ANSI/BIFMA X5.9, Storage Units.
- ANSI/BIFMA e3, Furniture Sustainability Standard.
- ACLCA Guidance to Calculating Non-LCIA Inventory Metrics in Accordance with ISO 21930:2017. May 2019
- BIFMA PCR for Office Furniture Workspace V2 March 2025: UNCPC 3814
- ISO 14025:2006 Environmental Labels and Declarations – Type III Environmental Declarations – Principles and Procedures.
- ISO 14040:2006 Environmental Management – Life Cycle Assessment – Principles and Framework, Requirements and Guidelines.
- ISO 14044:2006 Environmental Management – Life cycle assessment – Requirements and Guidelines.
- ISO 14044: 2006/ Amd 1:2017 Environmental Management – Life cycle assessment – Requirements and Guidelines – Amendment 1.
- ISO 21930:2017 Sustainability in buildings and civil engineering works — Core rules for environmental product declarations of construction products and services.
- Life Cycle Assessment, LCA Report for Workspace Products by Steelcase. October 2025.
- NSF Certification Policies for Environmental Product Declarations (EPD). November 1, 2022.



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