

Migration® SE

AMERICAS



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Environmental
Product Declaration
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About this product

Migration® SE is a height-adjustable desk that delivers value, performance, and user wellbeing. Supporting a broad range of applications, it's a simple, reliable solution that provides workers the ability to choose between seated or standing postures throughout the day.

The reference product is a desk covering 1.16 m² meaning 0.862 units are required to meet the functional unit of 1 m² of physical floor space for a 10-year period.

Date of Issue: May 26, 2023
Date of Expiration: May 26, 2028

Learn more

- Explore Steelcase environmental philosophy and commitments [overview](#).
- Find product details and sustainability certifications on [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 the Migration SE desk produced for the Americas by Steelcase Inc. in the United States. The assessment is performed according to the ISO standards 14040 (2006), 14044 (2006) and 14025 (2006), and BIFMA PCR for Tables: UNCPC 3812 to generate an EPD for business-to-business and business-to-consumer communication.

ASSESSMENT OVERVIEW

EPD commissioner	Steelcase® Inc
Corporate Address	901 44th Street SE Grand Rapids, Michigan 49508-7594 United States
Product group	Tables
Product name	Migration SE
Product intended use	Table
Product reference service life	10 years
Reference standards	ISO 14025, ISO 14040, ISO 14044
EPD scope	Cradle to grave
EPD number	EPD10845
Date of issuance	May 26, 2023
Date of expiration	May 26, 2028
EPD type	Product specific
EPD Product Coverage	Migration SE desks for the Americas market, including the following codes: MGELTRQ, MIGRELQ, MGSLTRQ
Intended audience	Business to business and business to consumer
Year of reported manufacturer data	2021
Functional unit	One square meter of physical floor space for a reference service life of 10 years
Applicable markets/regions	Americas
LCA software and database version	GaBi 10.6.2.9; GaBi database, 2022.2
LCIA methodology and version number	TRACI 2.1
Program administrator	NSF Certification LLC 789 N. Dixboro, Ann Arbor, MI 48105 www.nsf.org
Reference PCR and version number	BIFMA PCR for Tables: UNCPC 3812 (BIFMA PCR, 2022)
PCR reviewer	Review Panel Chaired by Dr. Thomas Gloria
EPD reviewer	External review conducted by: Jack Geibig, jgeibig@ecoform.com  This declaration and its Life Cycle Assessment was independently verified in accordance with ISO standards 14040 (2006), 14044 (2006) and 14025 (2006), and BIFMA PCR for Tables UNCPC 3812 (2020).
LCA reviewer	External review conducted by: Jack Geibig, jgeibig@ecoform.com  The product Life Cycle Assessment was conducted in accordance with ISO 14044 and the reference PCR.
Disclaimer	The PCR this EPD was based on was written to determine the potential environmental impacts of a table product from cradle to grave. 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 final 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.

ASSESSMENT PARAMETERS

Functional unit

One square meter of physical floor space for a reference service life of 10 years. To fulfill the functional unit, 0.862 units are required.

Product scope

The product assessed is the Migration SE sit-to-stand desk (product number MGELTRQ) with height-adjustable T legs, rectangular top, up and down switch control, electronic components for height adjustment and cable support.

Results presented on the subsequent pages are considered to have the highest impacts of all Migration SE desks. The results presented in the EPD are a conservative estimate for all products listed.

One Migration SE sit-to-stand desk is intended for use by 1 occupant.



<u>Manufacturing location</u>	<u>Product SKUs within the variation allowance</u>	<u>Applicable markets and regions</u>
Top: Grand Rapids, MI (SCW facility) and Tijuana, Mexico (AMEX facility) Base: Rancho Cucamonga, CA	MGELTRQ, MIGRELQ, MGSLTRQ	Americas

Assessment goal and scope




The potential environmental impacts of Migration SE 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 Tables: UNCPC 3812. Material acquisition and pre-processing (including transportation), production, distribution, use and end-of-life are assessed for the table product.

For tables, no impacts associated with the use of the table are included in the assessment. Instead, energy usage requirements in kW-hr for 1 hour of usage are reported. An hour of usage includes adjusting the table from minimum height to maximum height, then returning the product to minimum height. The product reviewed requires 0.006 kWh per hour.

Assessment boundary

The Life Cycle Assessment considers the full life cycle of the product as described here, cradle to grave. Life cycle stages and phase included in this assessment follow the BIFMA PCR for Tables and are presented in the following table.

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

RESULTS

The product composition, packaging composition, recycled content, recyclability visuals, and life cycle impacts below relate specifically to the configuration of one m² (0.862 units) of a Migration SE sit-to-stand desk with the highest impacts in the Americas, consisting of a table with heigh-adjustable T legs, rectangular top, and cable support. Product numbers represented by these results include: MGELTRQ, MIGRELQ, MGSLTRQ. others

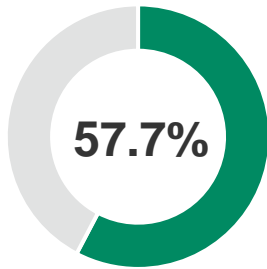
Product composition per m²

Material	Weight (kg)	Weight (%)	Resource Type
Steel	16.351	47.8%	Recycled, Virgin Non-renewable
Fiberboard	16.006	46.7%	Recycled, Virgin Non-renewable
Electronic Motor	1.072	3.1%	Virgin Non-renewable
Electrical Components	0.720	2.1%	Virgin Non-renewable
Other	0.099	0.3%	Virgin Non-renewable
Total	34.249	100.0%	

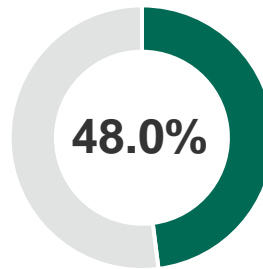
Product packaging composition per m²

Material	Weight (kg)	Weight (%)	Resource Type
Cardboard	5.005	95.5%	Renewable
EPP Foam	0.196	3.73%	Non-renewable
PP	0.039	1%	Non-renewable
Total	5.240	100.00%	

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.

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

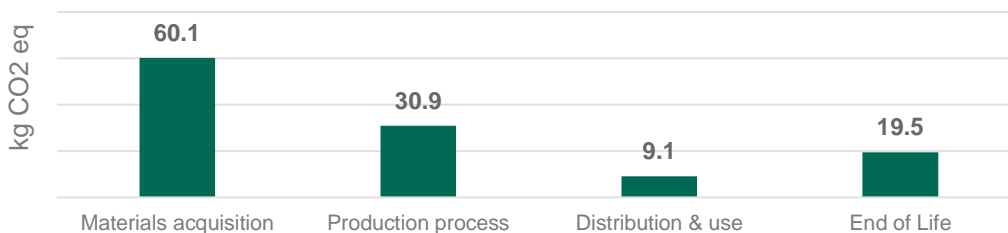
Life cycle impact by category and stage

Environmental impacts were calculated using the GaBi software platform. Impact results according to the BIFMA PCR have been calculated using TRACI 2.1 characterization factors, as well as LCI indicators for primary energy and water usage. Results presented in this report are for one m² (0.862 units) of a Migration SE sit-to-stand desk with the highest impacts in the Americas (excluding conference and coffee tables), maintained for 10 years. Additionally, the results are relative expressions and do not predict impacts on category endpoints, the exceeding of thresholds, safety margins, or risks.

	Unit	Life cycle stages				Totals
		A1-A2 Materials acquisition	A3 Production process	A4-B7 Distribution & Use	C1-C4 End of life	
*Global warming potential (100 years) Warming of the atmosphere caused by the global release of greenhouse gases.	kg CO2 eq	6.01E+01	3.09E+01	9.05E+00	1.95E+01	1.20E+02
*Acidification Emissions that increase the acidity of the environment due to various chemical reactions and/or biological activity, or by natural circumstances.	kg SO2 eq	3.87E-01	1.64E-01	5.10E-02	8.03E-02	6.83E-01
*Photochemical ozone creation (Smog) Through various chemical reactions, which occur between nitrogen oxides (NOx) and volatile organic compounds (VOCs) in sunlight.	kg O3 eq	4.85E+00	2.95E+00	1.15E+00	2.71E-01	9.22E+00
*Eutrophication Enrichment of an aquatic ecosystem with nutrients (nitrates, phosphates) that accelerate biological productivity and an undesirable accumulation of algal biomass.	kg N eq	2.28E+01	2.35E+00	7.12E-01	4.21E-01	2.63E+01
*Ozone depletion Reduction of the stratospheric ozone layer due to anthropogenic emissions of ozone depleting substances.	kg CFC-11 eq	9.12E-08	6.78E-12	1.70E-14	4.32E-14	9.12E-08
Primary energy demand Energy consumption at the source.	MJ	1.81E+03	7.59E+02	1.32E+02	2.15E+01	2.72E+03
Net freshwater usage Freshwater used and otherwise not recoverable.	kg	7.85E+02	2.05E+02	1.72E+01	1.63E+01	1.02E+03
Renewable primary resources used as an energy carrier First use materials from renewable sources with energy content used as a fuel	MJ	0.00E+00	7.01E+01	0.00E+00	0.00E+00	7.01E+01
Renewable primary resources used as material First use materials from renewable sources with energy content used as a material	MJ	3.29E+02	4.92E+02	1.27E+02	1.97E+01	9.68E+02
Non-renewable primary resources used as an energy carrier First use materials from non-renewable sources with energy content used as a fuel	MJ	4.12E+02	8.70E+00	0.00E+00	0.00E+00	4.21E+02
Non-renewable primary resources used as material First use materials from non-renewable sources with energy content used as a material	MJ	0.00E+00	1.12E+01	0.00E+00	1.11E+01	2.23E+01
Recovered energy Energy recovered from disposal of waste in previous systems	MJ	0.00E+00	1.51E+01	0.00E+00	1.46E+01	2.97E+01

*Methods: TRACI 2.1

Global warming potential summary



119.5 kg total CO₂-eq footprint

ADDITIONAL ENVIRONMENTAL INFORMATION

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

Life Cycle Assessment, LCA Report for Steelcase. WAP Sustainability Consulting. November 2022.

NSF BIFMA Product Category Rule (PCR) for Tables: UNCPC 3812.

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.

Steelcase®

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Contact
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