

teknion



Personal Assistant with Fabric Shade Screen

Workspace Solutions

Environmental Product Declaration

Date of Issue: 5/27/2025

Date of Expiration: 5/26/2030

PRODUCT CATEGORY RULE

BIFMA PCR for Office Furniture Workspace Products, UNCPC 3814 v1 (2023)

Product Sub-Category: Panels + other office components

FUNCTIONAL UNIT

1 m² of physical floor space for a period of 10 years (2.63 units of Personal Assistant with Fabric Shade Screen). This study covers a representative configuration with product code YYPAS5154 and includes personal assistant with ledge, cup holder assembly, and 51" high personal assistant screen. This product does not contain components that consume energy during use.



**Certified
Environmental
Product Declaration**
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This EPD 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 software tool used to conduct the study.

Program Operator	NSF Certification, LLC 789 N. Dixboro, Ann Arbor, MI 48105 sustainability@nsf.org
Manufacturer Name and Address	Teknion 1150 Flint Rd, North York, ON M3J 2J5, Canada
Declaration Number	EPD11091
Declared Product and Functional Unit	1 m ² of physical floor space for a period of 10 years (2.63 units of Personal Assistant with Fabric Shade Screen)
Reference PCR and Version Number	BIFMA PCR for Office Furniture Workspace Products: UNCPC 3814 v1 (2023)
Intended Audience	Business-to-Business, Business-to-Consumer
Product's intended Application and Use	Commercial Furniture
Product RSL	10 years
Markets of Applicability	North America
Date of Issue	5/27/2025
Period of Validity	5 years from date of issue
EPD Type	Product Specific
Range of Dataset Variability	N/A
EPD Scope	Cradle to Grave
Year of reported manufacturer primary data	2023
LCA Software and Version Number	Sphera LCA for Experts (fka GaBi) 10.8
LCI Database and Version Number	Managed Life Cycle Content Version 2024.1 (formerly GaBi)
LCIA Methodology and Version Number	TRACI 2.1, IPCC AR6 GWP100
The sub-category PCR review was conducted by:	Thomas Gloria, PhD (chair) Jack Geibig, P.E. Michael Overcash, PhD
<p>This declaration was independently verified in accordance with ISO 14025: 2006. The BIFMA PCR for Office Furniture Workspace Products: UNCPC 3814 serves as the core PCR.</p> <p><input type="checkbox"/> Internal <input checked="" type="checkbox"/> External</p>	 Jack Geibig jgeibig@ecoform.com
This life cycle assessment was conducted in accordance with ISO 14044 and the reference PCR by:	WAP Sustainability Consulting
<p>This life cycle assessment was independently verified in accordance with ISO 14044 and the reference PCR by:</p>	 Jack Geibig jgeibig@ecoform.com
<p>Limitations:</p> <p>Environmental declarations from different programs (ISO 14025) may not be comparable.</p> <p>Comparison of the environmental performance of products using EPD information shall be based on the product's use and impacts at the building level, and therefore EPDs may not be used for comparability purposes when not considering the building energy use phase as instructed under this PCR.</p> <p>Full conformance with the PCR allows EPD comparability only when all stages of a life cycle have been considered. However, variations and deviations are possible". Example of variations: Different LCA software and background LCI datasets may lead to differences results for upstream or downstream of the life cycle stages declared.</p> <p>The PCR this EPD was based on was written to determine the potential environmental impacts of a furniture workspace 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.</p>	



Company Description

Teknion Corporation designs, manufactures, and markets workplace interiors. Its products include panel systems, desking systems, private office systems/case goods, seating solutions, architectural products, tables and collaborative spaces, storage products, work better tech products (complements), and textiles. The company's products are used in various applications, including open, collaborative, private, meeting, lounge, learning, next culture, and work couture areas. Teknion Corporation was founded in 1981 and is based in Toronto, Canada.

Product Description

The Personal Assistant with Fabric Shade Screen offers practical space division and personal storage. It features an upper shelf, a spacious lower compartment, and an integrated fabric screen, supporting various applications across the floorplate.

The specific configuration modeled (product code YYPAS5154) and includes personal assistant with ledge, cup holder assembly, and 51" high personal assistant screen. Additional details of the product configuration used for this EPD is below, but other configurations are possible. This product is determined to be a representative product based on sales of the variations. While the exact configuration purchased may be slightly different, it is expected to have impacts within 10% of this representative configuration.

	Personal Assistant with Fabric Shade Screen
Product Category	Panels + other office components
Number of Occupants	1
Floor Area	0.383 m ²
Components Included	Personal assistant with ledge, cup holder assembly, and 51" high personal assistant screen
Defining Features	Integrated panels, storage devices
Energy Usage	0 kWh/hr
Recycled Content	55.5% pre-consumer, 12.5% post-consumer

Product Composition

Like many commercial furniture products, Personal Assistant with Fabric Shade Screen is available in a multitude of configurations. For this particular study, a representative configuration was used. This composition of the configuration is provided in the table below. While the exact configuration purchased may be slightly different, it is expected to have impacts within 10% of this representative configuration.

The total product weight is 32.6 kg, with total product area of 0.383 m² and a reference service life of 10 years. To meet the functional unit, 2.63 units of Personal Assistant with Fabric Shade Screen are required, with a reference flow of 85.8 kg.

Material	Mass %	Material	Mass %
Steel	56.7%	PP	<1%
Aluminum	16.9%	PA6	<1%
Particle Board	14.3%	Mgagnet	<1%
Fabric	6.9%	Hot Melt	<1%
HPL	1.7%	ABS	<1%
PVC	1.4%	MDF	<1%
Powder Coat	1.3%		

Selection of Impact Parameters

Environmental Impacts were calculated using the LCA for Experts software platform. Impact results have been calculated using TRACI 2.1 and IPCC AR6 GWP100 characterization factors. Results presented in this report are relative expressions and do not predict impacts on category endpoints, the exceeding of thresholds, safety margins, or risks.

Abbreviation	Parameter	Unit
AP	Acidification potential of soil and water	kg SO ₂ eq
EP	Eutrophication potential	kg N eq
GWP incl bio c	Global warming potential, including biogenic carbon	kg CO ₂ eq
GWP excl bio c	Global warming potential, excluding biogenic carbon	kg CO ₂ eq
ODP	Depletion of stratospheric ozone layer	kg CFC 11 eq
SFP	Smog Formation Potential	kg O ₃ eq

In addition to the environmental parameters above, the following resource use and waste categories are also disclosed.

Abbreviation	Parameter	Unit
PED	Total use of renewable and non-renewable primary energy resources	MJ, net calorific value
FW	Net use of fresh water	kg
RPRE	Renewable primary resources used as an energy carrier	MJ, net calorific value
RPRM	Renewable primary resources used as a material	MJ, net calorific value
NRPRE	Non-renewable primary resources used as an energy carrier	MJ, net calorific value
NRPRM	Non-renewable primary resources used as a material	MJ, net calorific value
RE	Recovered energy from disposal of waste in previous systems	MJ, net calorific value

LCA Results

All results are given per functional unit, which is 1 m² of physical floor space for a period of 10 years. Personal Assistant with Fabric Shade Screen has an area of 0.383 m². The product meets testing criteria per ANSI/BIFMA X5.6 and has a reference service life of 10 years. To fulfill the functional unit, 2.63 units of product are required.

TRACI Results

Impact Category	Unit	Total	Material Acquisition	Production	Distribution, Storage, and Use	End-of-Life
AP	kg SO ₂ eq	8.36E-01	6.33E-01	1.47E-01	3.64E-02	1.91E-02
EP	kg N eq	5.67E-02	2.95E-02	2.08E-02	3.24E-03	3.13E-03
GWP incl bio c	kg CO ₂ eq	2.72E+02	2.27E+02	2.59E+01	7.84E+00	1.17E+01
GWP excl bio c	kg CO ₂ eq	3.06E+02	2.45E+02	4.69E+01	7.85E+00	5.98E+00
ODP	kg CFC 11 eq	6.01E-08	6.01E-08	6.00E-12	2.32E-14	9.33E-14
SFP	kg O ₃ eq	1.24E+01	8.93E+00	2.31E+00	8.38E-01	3.05E-01

LCI Indicators

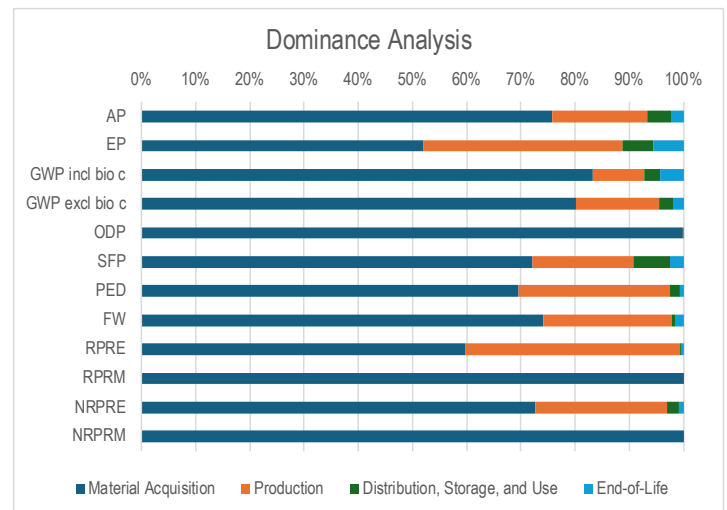
Impact Category	Unit	Total	Material Acquisition	Production	Distribution, Storage, and Use	End-of-Life
PED	MJ	6.04E+03	4.20E+03	1.68E+03	1.08E+02	4.39E+01
FW	kg	2.65E+00	1.96E+00	6.27E-01	1.53E-02	4.00E-02
RPRE	MJ	1.44E+03	8.61E+02	5.70E+02	4.59E+00	5.92E+00
RPRM	MJ	2.38E+02	2.38E+02	0.00E+00	0.00E+00	0.00E+00
NRPRE	MJ	4.60E+03	3.34E+03	1.11E+03	1.04E+02	3.80E+01
NRPRM	MJ	2.34E+02	2.34E+02	0.00E+00	0.00E+00	0.00E+00
RE	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Interpretation

A dominance analysis was performed for the product show which of the life cycle stages contributes to the majority of the impacts. Results are shown for the 4 TRACI 2.1 impact categories and IPCC AR6 GWP100.

Overall, the dominance analysis shows the vast majority of the impacts are coming from the material acquisition and pre-processing stage. This tracks with the majority of durable goods similar to Leverage workspace solutions. RE is equal to zero and is excluded from the dominance analysis graph at the right.

An additional dominance analysis was performed to determine the relative impacts of the materials used in the production of Leverage. For most of the LCIA indicators, the top material impacts are steel, aluminum, and fabric, depending on the indicator.



Additional Environmental Information

Teknion is a supporter and/or a participant in the following environmental and sustainability related programs.

- The International Living Future Institute's Declare program. Products with Declare labels can be found at <https://living-future.org/declare/>
- ANSI/BIFMA e3-2019 Furniture Sustainability Standard program. Personal Assistant with Fabric Shade Screen is certified to Level 3.
- Teknion products, including Personal Assistant with Fabric Shade Screen, comply with SCS's Indoor Advantage Gold program. Personal Assistant with Fabric Shade Screen's certification can be found at this [link](#).
- Teknion has been a member of the USGBC since 2016.

Additionally, Teknion publishes an annual Impact Report which is publicly available at <https://teknion-limited.shorthandstories.com/impact-report-3-0/index.html>

References

Life Cycle Assessment of Teknion's Workspace and Table Products. WAP Sustainability. July 2024.

BIFMA PCR for Office Furniture Workspace Products, UNCPC 3814 v1. Extended July 2023.

Climate Change 2021: The Physical Science Basis. Contribution of Working Group I to the Sixth Assessment Report of the Intergovernmental Panel on Climate Change. Cambridge University Press. IPCC. 2021.

ISO 14025:2006 Environmental labels and declarations – Type III environmental declarations – Principles and procedures.8

ISO 14040:2006 Environmental management - Life cycle assessment – Principles and framework.

ISO 14044:2006 Environmental management - Life cycle assessment – Requirements and guidelines.