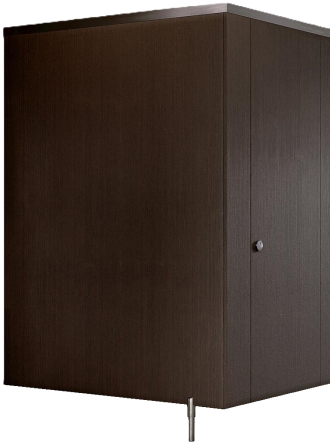




BUILDING VALUE SINCE 1906

PRIVADA® Cubicles

PRIVADA Cubicles offer the elevated aesthetics, functionality and privacy that the most discerning restroom patrons have come to expect. PRIVADA is a floor anchored, overhead braced, toilet cubicle system made out of high pressure laminate (HPL) that offers privacy through a sophisticated design; ideal applications include prestige projects, such as Class A office buildings and high-end hospitality properties. PRIVADA makes a design statement, with thoughtfully crafted, minimalist hardware, an invisible aluminum frame and a signature “floating” effect enabled by recessed support pedestals.



Performance dashboard

Features & functionality

High-pressure laminated plastic with a 45 lb density, industrial grade, resin-impregnated particle board substrate

Interlocking doors and fascias eliminate sightlines creating privacy and form flush surfaces

Occupancy indicators inform patrons when compartments are in use

Spring loaded hinges provide soft door closing

Visit Bobrick for more product information:
[PRIVADA® Cubicles](#)

Environment & materials

Improved by:

ASTM E 84 Fire Rating: Class B

ADA and ICC A117.1 Complaint

Certifications, rating systems & disclosures:

All wood suppliers [FSC Certified](#)

[CDPH certification \(Clean Air GOLD\)](#)

[CARB Testing](#)

[Health Product Declaration](#)

MasterFormat® 10 21 13
PRIVADA® Cubicles [Guide Specification](#),
[Technical Data Sheet](#)

[See LCA, interpretation & rating systems](#)

[See materials, interpretation & rating systems](#)



SM Transparency Report (EPD)™ + Material Health Overview™

EPD

3rd-party reviewed



Transparency Report (EPD)

3rd-party verified



Validity: 10/22/2024 – 10/21/2029
BOB – 20241022 – 001

MATERIAL HEALTH

Material
evaluation

Self-declared



This environmental product declaration (EPD) was externally verified by Jack Geibig (Ecoform) according to ISO 14044; ISO 21930:2017; and ISO 14025:2006.

In accordance with ISO 14044 and the referenced PCR, the life cycle assessment was conducted by Sustainable Minds and critically reviewed by Jack Geibig (Ecoform).

Ecoform, LLC
11903 Black Road
Knoxville, TN 37932
(865) 850-1883
www.ecoform.com



SUMMARY

Reference PCR

ISO 21930:2017, "Sustainability in Building Construction — Environmental Declaration of Building Products" serves as the core PCR for this ISO 14025 Type III environmental declaration

Regions; system boundaries
North America; Cradle-to-gate

Declared unit
One 60"D x 36"W cubicle

LCIA methodology; LCA software;
LCI databases
TRACI 2.1; SimaPro Developer 9.6;
ecoinvent v3.10, USLCI, and US-EI 2.2

Public LCA

LCA background report of Bobrick
PRIVADA® Cubicles, 2024

Bobrick Washroom Equipment, Inc.
6901 Tujunga Avenue
North Hollywood, California 91605
<https://www.bobrick.com/>

Contact us

LCA results & interpretation

PRIVADA® Cubicles

- LCA results & interpretation
- EPD additional content
- Material health

Scope and summary

- ☒ Cradle to gate
- ☐ Cradle to gate with options
- ☐ Cradle to grave

Application
PRIVADA® Cubicles are toilet partition systems constructed from particle board, high-pressure laminate board, and metal hardware. The product offers elevated aesthetics, privacy, and functionality to isolate toilet users from the sights and noises of a restroom space.

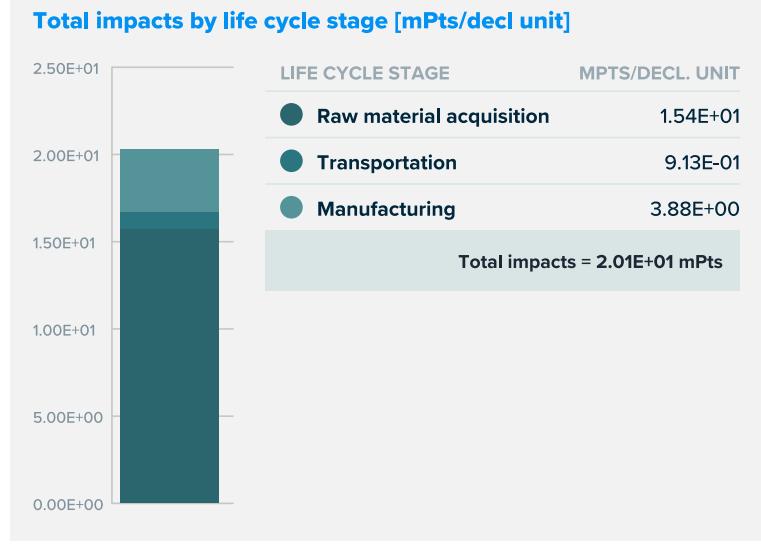
Declared unit
One 60"D x 36"W cubicle. One cubicle comprises one divider panel, one fascia panel, one door, and the associated metal hardware. It covers a 60in by 36in floor space and comes in 72in and 96in height options.

Manufacturing data
Reporting period: November 2022 – October 2023
Location: Jackson, TN

Sensitivity analysis
Sensitivity analyses were performed to check the robustness of the results where the highest potential environmental impacts are occurring. As the bulk of impacts are attributed to raw materials acquisition, and aluminum parts are a major contributor to those impacts, they were selected for sensitivity analysis.

Global warming potential was evaluated for sensitivity since Bobrick is interested in the potential CO₂-equivalent emissions of its products. While aluminum-based parts account for only 10%-15% of the total mass of the cubicle, decreasing the mass of aluminum by 20% would result in a +/-11.8% change in total life cycle impacts.

Material Composition Greater than 1% by Weight	
MATERIAL	AVG WT%
Aluminum extrusion and parts	10-15%
Particle board	70-80%
High pressure laminate board	10-15%
Stainless steel	1-3%
Adhesives	1-3%
Others	<1%



LCA results

LIFE CYCLE STAGE	A1 RAW MATERIAL SUPPLY	A2 UPSTREAM TRANSPORT	A3 MANUFACTURING
	(X) A1 Raw material supply	(X) A2 Transport	(X) A3 Manufacturing
			
Information modules: Included (X) Excluded (MND)*			
*Modules A4, A5, B, C, and D are excluded.			

SM Single Score

Learn about SM Single Score results

Impacts per declared unit	2.15E+01 mPts	8.47E-01 mPts	3.88E+00 mPts
Materials or processes contributing >20% to total impacts in each life cycle stage	Energy and materials consumed during aluminum-based part manufacturing.	Truck transportation to Bobrick facility.	Foams used for product packaging and disposal of manufacturing waste.

PRIVADA® Cubicles (72" height) – TRACI v2.1 results per declared unit

Ecological damage

Impact category	Unit				
Global warming	kg CO ₂ eq		3.97E+02	1.44E+01	7.50E+01
Ozone depletion	kg CFC-11 eq		3.78E-06	2.24E-07	1.32E-06
Acidification	kg SO ₂ eq		2.98E+00	1.87E-02	2.58E-01
Eutrophication	kg N eq		2.24E-01	1.31E-03	3.16E-02

Human health damage

Impact category	Unit				
Smog	kg O ₃ eq		2.96E+01	2.94E-01	3.71E+00
Respiratory effects	kg PM _{2.5} eq		5.22E-01	4.57E-03	4.03E-02

Additional environmental information

Impact category	Unit				
Carcinogenics	CTU _n		2.90E-06	9.18E-09	2.50E-07
Non-carcinogenics	CTU _n		2.88E-05	1.81E-06	2.99E-06
Ecotoxicity	CTU _e		2.14E+02	3.70E+01	3.74E+01
Fossil fuel depletion	MJ surplus		2.44E+02	2.75E+01	1.93E+02

PRIVADA® Cubicles (96" height) – TRACI v2.1 results per declared unit

LIFE CYCLE STAGE		A1 RAW MATERIAL SUPPLY	A2 TRANSPORT	A3 MANUFACTURING
Ecological damage				
Impact category	Unit			
Global warming	kg CO ₂ eq ⓘ	3.97E+02	1.44E+01	7.50E+01
Ozone depletion	kg CFC-11 eq ⓘ	3.78E-06	2.24E-07	1.32E-06
Acidification	kg SO ₂ eq ⓘ	2.98E+00	1.87E-02	2.58E-01
Eutrophication	kg N eq ⓘ	2.24E-01	1.31E-03	3.16E-02
Human health damage				
Additional environmental information				

References

LCA Background Report
Bobrick PRIVADA® Cubicles LCA Background Report, Bobrick 2024; SimaPro Developer 9.6; ecoinvent v3.10, USLCI, and US-EI 2.2 databases; TRACI 2.1.

ISO 14025, “Sustainability in buildings and civil engineering works -- Core rules for environmental product declarations of construction products and services”

ISO 21930:2017, "Sustainability in Building Construction — Environmental Declaration of Building Products" serves as the core PCR.

Download PDF SM Transparency Report/ EPD

SM Transparency Reports (TR) are ISO 14025 Type III environmental declarations (EPD) that enable purchasers and users to compare the potential environmental performance of products on a life cycle basis. They are designed to present information transparently to make the limitations of comparability more understandable. Environmental declarations of products that conform to the same PCR and include the same life cycle stages, but are made by different manufacturers, may not sufficiently align to support direct comparisons. They therefore cannot be used as comparative assertions unless the conditions as defined in ISO 14025 Section 6.7.2. 'Requirements for Comparability' are satisfied. In order to support comparative assertions, this EPD meets all comparability requirements stated in ISO 14025:2006. However, differences in certain assumptions, data quality, and variability between LCA data sets may still exist. Any EPD comparison must be carried out at the building level per ISO 21930 guidelines, use the same sub-category PCR where applicable, include all relevant information modules, be limited to EPDs applying a functional unit, and be based on equivalent scenarios with respect to the context of construction works. Some LCA impact categories and inventory items are still under development and can have high levels of uncertainty. To promote uniform guidance on the data collection, calculation, and reporting of results, the ACLCA methodology (ACLCA 2019) was used.

Rating systems

The intent is to reward project teams for selecting products from manufacturers who have verified improved life-cycle environmental performance.

LEED BD+C: New Construction | v4 - LEED v4
Building product disclosure and optimization

☐ Industry-wide (generic) EPD	½ product
☒ Product-specific Type III EPD	1 product

LEED BD+C: New Construction | v4.1 - LEED v4.1
Building product disclosure and optimization

☐ Industry-wide (generic) EPD	1 product
☒ Product-specific Type III EPD	1.5 products

Collaborative for High Performance Schools National Criteria
MW C5.1 – Environmental Product Declarations

☒ Third-party certified type III EPD	2 points
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Green Globes for New Construction and Sustainable Interiors
Materials and resources

- ☒ NC 3.5.1.2 Path B: Prescriptive Path for Building Core and Shell
- ☒ NC 3.5.2.2 and SI 4.1.2 Path B: Prescriptive Path for Interior Fit-outs

BREEAM New Construction 2018
Mat 02 - Environmental impacts from construction products

☐ Industry-average EPD	.5 points
☐ Multi-product specific EPD	.75 points
☒ Product-specific EPD	1 point

SM Transparency Report (EPD)™ + Material Health Overview™

EPD	LCA
3rd-party reviewed	☒
Transparency Report (EPD)	
3rd-party verified	☒
Validity: 10/22/2024 – 10/21/2029 BOB – 20241022 – 001	
MATERIAL HEALTH	Material evaluation
Self-declared	☒

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EPD additional content

PRIVADA® Cubicles

- LCA results & interpretation
- EPD additional content
- Material health

Data

Background This product-specific plant-specific declaration was created by collecting production data from the facility in Jackson, Tennessee. All unit processes were modeled using primary data. Secondary data sources include those available in ecoinvent v3, USLCI, and US-EI 2.2 databases. Literature data was used to fill any data gaps to complete the inventory.

Allocation Bobrick's Tennessee facility produces various kinds of partition systems. Annual facility resources were first normalized to each kind of partition system based on the total number of cubicles produced and later scaled down to a per-unit level of PRIVADA® Cubicles using annual production quantities. All associated manufacturing resources and waste flows were allocated using this approach.

No co-product allocation or allocation of multi-input processes were required. The model used in this report ensures that the sum of the allocated inputs and outputs of a unit process shall be equal to the inputs and outputs of the unit process before allocation. This means that no double counting or omissions of inputs or outputs through allocation is occurring.

Cut-off criteria for the inclusion of mass and energy flows are 1% of renewable primary resource (energy) usage, 1% nonrenewable primary resource (energy) usage, 1% of the total mass input of that unit process, and 1% of environmental impacts. The total of neglected input flows per module does not exceed 5% of energy usage, mass, and environmental impacts.

The only exceptions to these criteria are substances with hazardous and toxic properties, which must be listed even when the given process unit is under the cut-off criterion of 1% of the total mass. No known flows are deliberately excluded from this declaration, and no substances considered to be hazardous or toxic according to the TRI or local regulations are present in the products. Therefore, these criteria have been met. Biogenic carbon is included in reported results.

Data quality assessment

Precision: The precision of the data is considered high. Bobrick personnel provided detailed bills of materials, and facility managers provided utility information for the manufacturing facilities. The raw material transportation distances were calculated based on the raw material manufacturers' addresses. Proxy data sets were utilized in the LCA model when secondary data were not available, as shown in the published LCA background report.

Completeness: The data included is considered complete. The LCA model included all known material and energy flows. As pointed out in that section, no known flows above 1% were excluded and the sum of all excluded flows totals less than 5%, whether evaluated by mass, energy, or potential environmental impact.

Consistency: The consistency of the model is considered high. The bills of materials provided by Bobrick personnel were developed for multiple internal departments and are maintained regularly. The LCA practitioner also cross-referenced the installation documents and other relevant information to ensure consistency. Furthermore, modeling assumptions were consistent across the model, with preference given towards SimaPro data, where available.

Major system boundary exclusions:

- Construction of major capital equipment
- Maintenance and operation of support equipment
- Human labor and employee transport
- Building operational energy and water use

Scaling factors Results provided in this report can be linearly scaled to accommodate different heights of PRIVADA® Cubicles. As each cubicle is assumed to be installed against either a wall or another cubicle, to scale from 1 stall to 8 stalls, simply multiply the results by 8 to get the approximate outcome.

PRIVADA® Cubicles (72" height): LCIA results, resource use, output and waste flows, and carbon emissions & removals per declared unit

Parameters	Unit	A1	A2	A3	Total
Resource use indicators					
Renewable primary energy used as energy carrier (RPR _e)	MJ, NCV	3.13E+02	3.18E-01	1.87E+02	5.00E+02
Renewable primary resources with energy content used as material (RPR _m)	MJ, NCV	4.91E+02	0.00E+00	4.49E+02	9.41E+02
Total use of renewable primary resources with energy content (RPR _{total})	MJ, NCV	8.04E+02	3.18E-01	6.36E+02	1.44E+03
Non-renewable primary resources used as an energy carrier (NRPR _e)	MJ, NCV	2.72E+03	2.07E+02	1.67E+03	4.60E+03
Non-renewable primary resources with energy content used as material (NRPR _m)	MJ, NCV	4.44E+02	0.00E+00	0.00E+00	4.44E+02
Total use of non-renewable primary resources with energy content (NRPR _{total})	MJ, NCV	3.17E+03	2.07E+02	1.67E+03	5.04E+03
Secondary materials (SM)	kg	6.94E+00	0.00E+00	0.00E+00	6.94E+00
Renewable secondary fuels (RSF)	MJ, NCV	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Non-renewable secondary fuels (NRSF)	MJ, NCV	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Recovered energy (RE)	MJ, NCV	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Use of net fresh water resources (FW)	m ³	2.76E+01	1.59E-01	1.34E+01	4.12E+01
Abiotic depletion potential, fossil (ADP _{fossil})	MJ, NCV	2.75E+03	1.95E+02	1.47E+03	4.42E+03
Output flows and waste category indicators					
Hazardous waste disposed (HWD)	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Non-hazardous waste disposed (NHWD)	kg	0.00E+00	0.00E+00	1.98E+01	1.98E+01
High-level radioactive waste, conditioned, to final repository (HLRW)	kg	9.29E-04	2.33E-06	1.71E-04	1.10E-03
Intermediate- and low-level radioactive waste, conditioned, to final repository (ILLRW)	kg	2.20E-03	4.57E-06	4.45E-04	2.65E-03
Components for re-use (CRU)	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Materials for recycling (MR)	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Materials for energy recovery (MER)	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Exported energy (EE)	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Carbon emissions and removals					
Biogenic Carbon Removal from Product (BCRP)	kg CO ₂	1.40E+02	0.00E+00	0.00E+00	1.40E+02
Biogenic Carbon Emission from Product (BCEP)	kg CO ₂	0.00E+00	0.00E+00	7.38E+00	7.38E+00
Biogenic Carbon Removal from Packaging (BCRK)	kg CO ₂	9.03E+00	0.00E+00	4.39E+01	5.29E+01
Biogenic Carbon Emission from Packaging (BCEK)	kg CO ₂	0.00E+00	0.00E+00	9.03E+00	9.03E+00
Biogenic Carbon Emission from Combustion of Waste from Renewable Sources Used in Production Processes (CBCEW)	kg CO ₂	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Calcination Carbon Emissions (CCE)	kg CO ₂	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Carbonation Carbon Removals (CCR)	kg CO ₂	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Carbon Emissions from Combustion of Waste from Non-Renewable Sources used in Production Processes (CWNRR)	kg CO ₂	0.00E+00	0.00E+00	0.00E+00	0.00E+00

PRIVADA® Cubicles (96" height): LCIA results, resource use, output and waste flows, and carbon emissions & removals per declared unit

Parameters	Unit	A1	A2	A3	Total
Resource use indicators					
Renewable primary energy used as energy carrier (RPR _e)	MJ, NCV	4.81E+02	3.67E-01	1.87E+02	6.68E+02
Renewable primary resources with energy content used as material (RPR _m)	MJ, NCV	5.70E+02	0.00E+00	4.49E+02	1.02E+03
Total use of renewable primary resources with energy content (RPR _{total})	MJ, NCV	1.05E+03	3.67E-01	6.36E+02	1.69E+03
Non-renewable primary resources used as an energy carrier (NRPR _e)	MJ, NCV	2.91E+03	2.40E+02	1.67E+03	4.82E+03
Non-renewable primary resources with energy content used as material (NRPR _m)	MJ, NCV	5.82E+02	0.00E+00	0.00E+00	5.82E+02
Total use of non-renewable primary resources with energy content (NRPR _{total})	MJ, NCV	3.49E+03	2.40E+02	1.67E+03	5.40E+03
Secondary materials (SM)	kg	6.94E+00	0.00E+00	0.00E+00	6.94E+00
Renewable secondary fuels (RSF)	MJ, NCV	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Non-renewable secondary fuels (NRSF)	MJ, NCV	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Recovered energy (RE)	MJ, NCV	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Use of net fresh water resources (FW)	m ³	2.62E+01	1.72E-01	1.16E+01	3.80E+01
Abiotic depletion potential, fossil (ADP _{fossil})	MJ, NCV	3.04E+03	2.25E+02	1.47E+03	4.73E+03
Output flows and waste category indicators					
Hazardous waste disposed (HWD)	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Non-hazardous waste disposed (NHWD)	kg	0.00E+00	0.00E+00	1.84E+01	1.84E+01
High-level radioactive waste, conditioned, to final repository (HLRW)	kg	9.93E-04	2.69E-06	1.71E-04	1.17E-03
Intermediate- and low-level radioactive waste, conditioned, to final repository (ILLRW)	kg	2.34E-03	5.27E-06	4.44E-04	2.79E-03
Components for re-use (CRU)	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Materials for recycling (MR)	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Materials for energy recovery (MER)	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Exported energy (EE)	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Carbon emissions and removals					
Biogenic Carbon Removal from Product (BCRP)	kg CO ₂	1.83E+02	0.00E+00	0.00E+00	1.83E+02
Biogenic Carbon Emission from Product (BCEP)	kg CO ₂	0.00E+00	0.00E+00	9.25E+00	9.25E+00
Biogenic Carbon Removal from Packaging (BCRK)	kg CO ₂	9.75E+00	0.00E+00	4.39E+01	5.37E+01
Biogenic Carbon Emission from Packaging (BCEK)	kg CO ₂	0.00E+00	0.00E+00	9.75E+00	9.75E+00
Biogenic Carbon Emission from Combustion of Waste from Renewable Sources Used in Production Processes (CBCEW)	kg CO ₂	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Calcination Carbon Emissions (CCE)	kg CO ₂	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Carbonation Carbon Removals (CCR)	kg CO ₂	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Carbon Emissions from Combustion of Waste from Non-Renewable Sources used in Production Processes (CWNRR)	kg CO ₂	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Scenarios and additional technical information

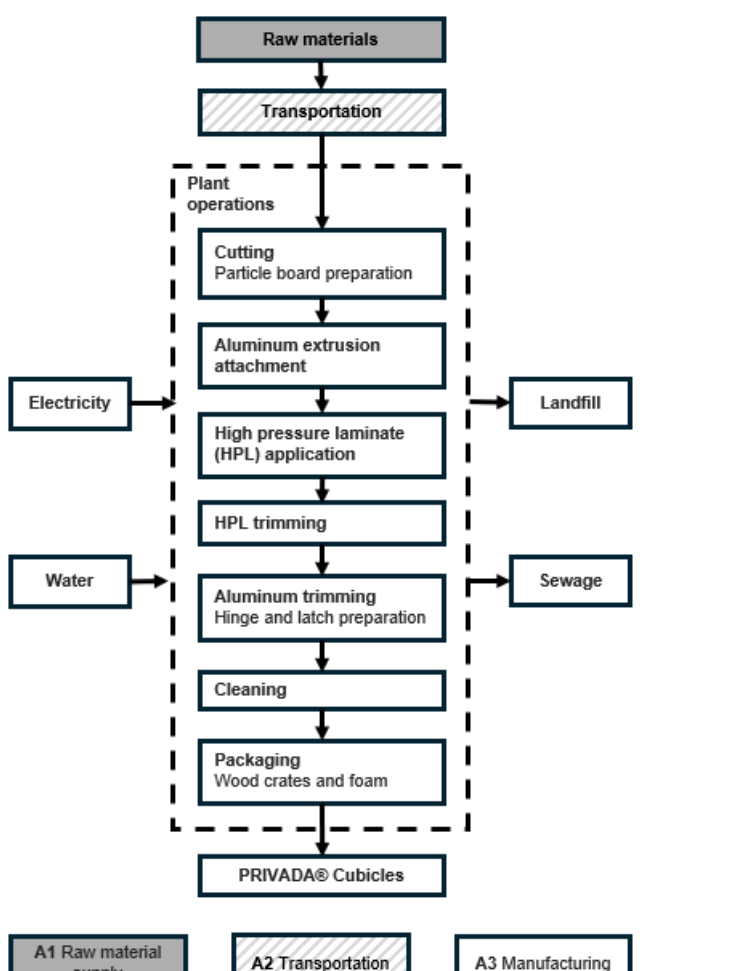
Major assumptions and limitations:

- Generic data sets used for material inputs, transport, and waste processing are considered good quality, but actual impacts from material suppliers, transport carriers, and local waste processing may vary.
- The impact assessment methodology categories do not represent all possible environmental impact categories.
- Characterization factors used within the impact assessment methodology may contain varying levels of uncertainty.
- LCA results are relative expressions and do not predict impacts on category endpoints, the exceeding of thresholds, safety margins, or risks.

Installation [A5] and Disposal [C4] While the impacts from installation and product disposal are out of the scope of this cradle-to-gate study, ISO 21930:2017 requires that biogenic carbon emissions associated with packaging and product disposed be separately reported.

Parameters	Unit	A5	C4
72" height			
Biogenic carbon emission from product	kg CO ₂	0	1.33E+02
Biogenic carbon emission from packaging	kg CO ₂	4.39E+01	0
96" height			
Biogenic carbon emission from product	kg CO ₂	0	1.74E+02
Biogenic carbon emission from packaging	kg CO ₂	4.39E+01	0

Flow diagram





SM Transparency Report (EPD)™ + Material Health Overview™

EPD

3rd-party reviewed

Transparency Report (EPD)

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Validity: 10/22/2024 – 10/21/2029

BOB – 20241022 – 001

MATERIAL HEALTH

Self-declared

LCA

Material evaluation

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LCA & material health results & interpretationPRIVADA® Cubicles

LCA results & interpretation

EPD additional content

Material health

Evaluation programs

The Health Product Declaration®
The HPD Open Standard provides a consistent, and transparent format to accurately disclose the material contents and associated hazard classifications for a building product.

How it works
Material ingredients are screened and categorized according to the hazards that international governmental bodies and toxicology experts have associated with them, based on two listings:

- Authoritative lists maintained or recognized by government bodies
- Screening lists, which include chemicals that government bodies determined need further scrutiny, as well as chemical lists not recognized by any government body.

Assessment scope and results

Health Product Declaration®

PRIVADA® Cubicles

Inventory threshold: 1,000 ppm

Full disclosure known hazards: Yes

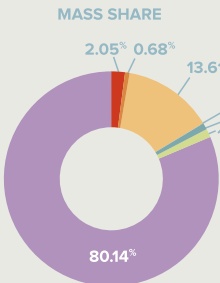
Based on the selected content inventory threshold:

☒ Characterized

☒ Screened

☒ Identified

MASS SHARE



GreenScreen® List Translator Scores

☒ List Translator Likely Benchmark 1 / Benchmark 1 ?

☐ List Translator Possible Benchmark 1 ?

☐ List Translator Benchmark Unknown ?

☐ Benchmark 2 ?

☐ Benchmark 3 ?

☐ Benchmark 4 ?

☐ No GS data available ?

Learn about the GreenScreen® List Translator

Total VOC Content?

VOC Content data is not applicable for this product category.

What's in this product and why

Once the PRIVADA® Cubicles are finished and installed, minimal to no exposure is expected during the normal, daily use of the product. Many of the listed hazards are only present during the manufacturing process.

Alternative products and materials, such as formaldehyde-free particle board and Medium Density Fiberboard (MDF), have been considered; but the price point for these materials is significantly higher than our standard materials. The team will be analyzing the cost implications of offering more environmentally friendly material to our customers.

When looking at the list of materials that make up the PRIVADA® Cubicles, most of the potential chemical exposure hazards occur during the manufacturing of the raw materials, such as for particle board and high pressure laminate. Once installed, the finished product is not expected to present any health hazards to customers during normal use. The cubicles have been tested to the CDPH Standard and are Certified Clean Air GOLD by Intertek, demonstrating low VOC emissions and compliance with stringent indoor air quality standards.

Particle board supplied to Bobrick for use in PRIVADA® Cubicles is FSC Certified Wood which has completed and fulfilled the requirements of California Air Resources Board (CARB) Airborne Toxic Control Measure (ATCM) 93120.

How we're making it healthier

In early 2024, Bobrick's particle board supplier, Roseburg, shut down their mill and Bobrick replaced Roseburg with new particle board supplier, Kronospan. Kronospan has been certified in accordance with the requirements of the Forest Stewardship Council using the FSC Chain of Custody standards. In addition, Kronospan has certificates of compliance for the Eco-Certified Composite Grademark Certification Program and the Formaldehyde Emissions Grademark Certification Program.

In addition to researching different particle boards, the Bobrick team is also considering other materials that are bio-degradable. This would be a benefit to the environment during the teardown or renovation of a building.

Using more bio-degradable products will reduce waste and pollution.

See how we make it greener

References

Health Product Declaration®

PRIVADA® Cubicles

Health Product Declaration Open Standard - all versions

The standard provides guidance to accurately disclose the material contents of a building product using a standard, consistent, and transparent format.

Rating systems

LEED BD+C: New Construction | v4 - LEED v4

Building product disclosure and optimization

Material Ingredients

Credit value options1 product each

☒ 1. Reporting

☐ 2. Optimization

☐ 3. Supply Chain Optimization

LEED BD+C: New Construction | v4.1 - LEED v4.1

Materials and resources

Material Ingredients

Credit value options1 product each

☒ 1. Reporting

☐ 2. Optimization

☐ 3. Supply Chain Optimization

Living Building Challenge

Materials petals imperatives

☐ 10. Red List Free

☐ 12. Responsible Industry

☐ 13. Living Economy Sourcing

WELL Building Standard®

Air and Mind Features

☒ X07 Materials Transparency

☐ X08 Materials Optimization

Collaborative for High Performance Schools National Criteria

EQ C7.1 Material Health Disclosures

☒ Performance Approach

2 points

☒ Prescriptive Approach

2 points

How we make it greener

PRIVADA® Cubicles

Expand all

RAW MATERIALS ACQUISITION

Bobrick's commitment to a "greener" manufacturing process starts with our raw materials.

Both our particle board manufacturer and particle board supplier have the FSC Chain of Custody certification, which verifies that the wood is coming from a forest that is responsibly managed. Our particle board comes from a local business, which cuts down on the negative impacts of transportation. From the use of particle board, our 72" and 96" Privada Cubicles contain a minimum of 54.8 wt% and 57.0 wt% biobased content, respectively.

We are currently working with suppliers who use recycled content in their aluminum hardware and extrusions. Our 72" and 96" Privada Cubicles contain a total of 6.42 wt% and 5.02 wt% pre-consumer recycled content, respectively, and no post-consumer recycled content at this time.



TRANSPORATION

Bobrick has multiple manufacturing locations and warehouses across the country to minimize the transportation needed to deliver products. We also conduct continual analyses and research on the potential elimination or reduction of protective plastic film used during transportation of their components.

A direct, consolidated shipment and transportation route from the manufacturing site to key distributors and installation partners minimizes transportation impacts.

Bobrick also validates that any new carrier looking to partner with us has a corporate Sustainability Program in place and is actively implementing initiatives that reduce our carbon footprint and impact on the environment.



MANUFACTURING

When Bobrick manufactures products, our goal is to reduce energy, waste, and carbon emissions.

Energy consumption is always a consideration when justifying capital investments for any of our manufacturing locations or warehouses. As facility support equipment is purchased or evaluated, energy consumption is always considered in the decision-making process. We also recently evaluated particle board sizes and found that using a different sheet size produces less waste.

Bobrick is also implementing strategies outside of its Tennessee location. Our Los Angeles plant has solar panels installed, which provides that site with a renewable energy source.



USE & END OF LIFE

After toilet partition products are sent to our Bobrick distributors, some packaging materials are reused and repurposed, minimizing waste at the distribution site.

Bobrick is interested in understanding the indoor air impacts of its products. The FSC® certified particleboard used in PRIVADA® Cubicles meets California Air Resources Board (CARB) Airborne Toxic Control Measure (ATCM) 93120 requirements. The cubicles have been tested to the CDPH Standard Method v1.2 (Private Office and School Classroom scenarios) and are Certified Clean Air GOLD by Intertek, demonstrating low VOC emissions and compliance with stringent indoor air quality standards.

Our Privada Cubicles are designed and engineered to last for over 25 years. The longevity of our products helps reduce waste and the burden on landfills.

Once the cubicles reach the end of their useful life, the toilet partition system can be disassembled and evaluated for repair and reuse. Since the divider panel, fascia panel, door, and hardware can be easily deconstructed, damaged parts can be replaced and components can be separated for recycling or landfill.



SM Transparency Report (EPD)™ + Material Health Overview™

EPD

3rd-party reviewed

Transparency Report (EPD)

3rd-party verified

Validity: 10/22/2024 – 10/21/2029
BOB – 20241022 – 001

LCA

Material evaluation

MATERIAL HEALTH

Self-declared

This environmental product declaration (EPD) was externally verified by Jack Geibig (Ecoform) according to ISO 14044; ISO 21930:2017; and ISO 14025:2006.

In accordance with ISO 14044 and the referenced PCR, the life cycle assessment was conducted by Sustainable Minds and critically reviewed by Jack Geibig (Ecoform).

Ecoform, LLC
11903 Black Road
Knoxville, TN 37932
(865) 850-1883
www.ecoform.com



SUMMARY

Reference PCR

ISO 21930:2017, "Sustainability in Building Construction — Environmental Declaration of Building Products" serves as the core PCR for this ISO 14025 Type III environmental declaration

Regions; system boundaries

North America; Cradle-to-gate

Declared unit

One 60"D x 36"W cubicle

LCIA methodology; LCA software; LCI databases

TRACI 2.1; SimaPro Developer 9.6; ecoinvent v3.10, USLCI, and US-EI 2.2

Public LCA

LCA background report of Bobrick PRIVADA® Cubicles, 2024

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Contact us

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