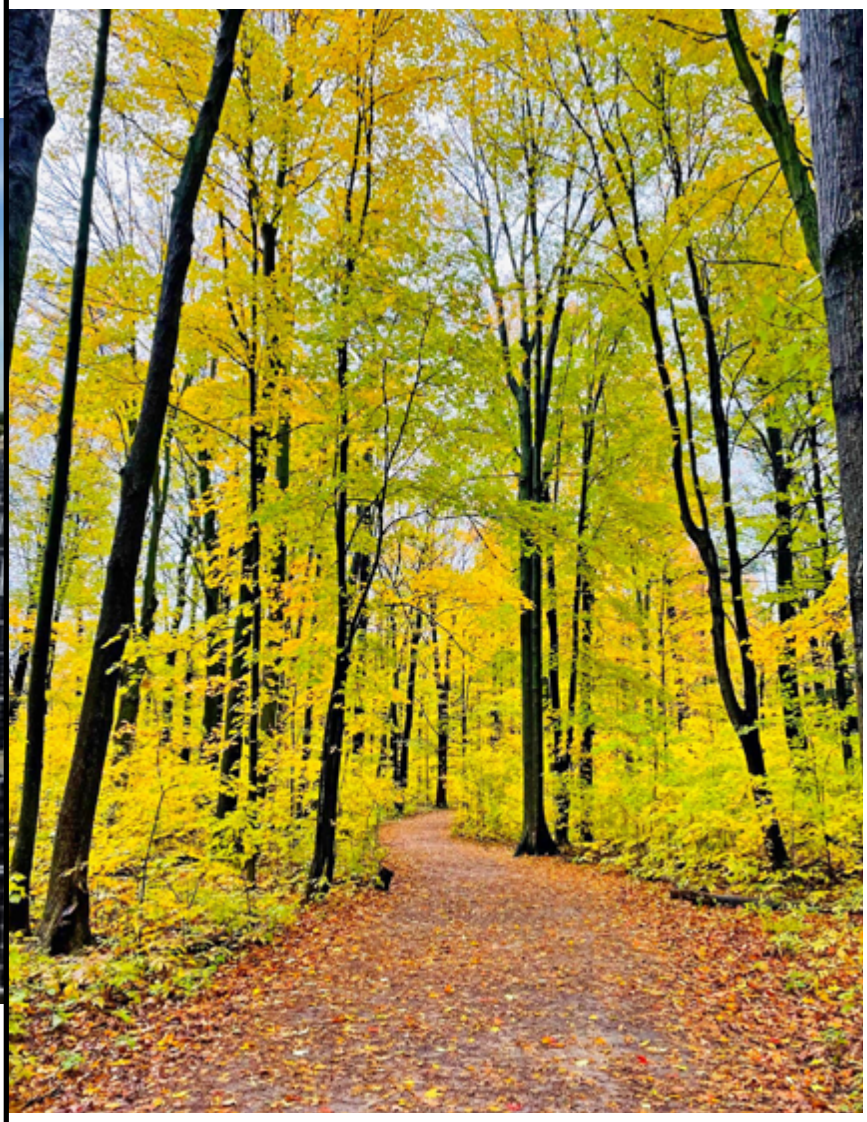
brc | eco



Environmental Statement 2023

Company Profile

Established in 1979 and incorporated in 1983, BRC Business Enterprises has grown into a leader in the research, development and manufacturing of high quality ergonomic furniture. BRC is a Canadian-owned private company with manufacturing facilities in Georgetown, Ontario, Canada. Bill Melnik, owner of BRC Business Enterprises Ltd. was an early pioneer in the research and development of adjustable workstation furniture in Canada. An engineering graduate of Queen's University, Bill has been working with public and private sector clients since 1985 to design and produce products which allow their employees to work productively and safely in their specific environments. His client list includes the top ranked North American companies in banking, finance and aerospace as well as leading educational institutions and government departments.

Bill Melnik has built BRC's business and reputation on his personal integrity, commitment to excellence and strong belief in sustainable, environmentally conscious, business practices. Under his leadership, BRC has become a forerunner in blending environmental initiatives with the manufacturing of renewable and recyclable products. Bill supports and endorses a North American, community strong, manufacturing base where today's youth are meaningfully employed and gain skills while mentored by experienced workers.

As a private Canadian corporation, BRC is concerned about the environmental impact of product design and all manufacturing processes, as well as with the content and recyclability of packaging materials. BRC adheres to the most stringent environmental standards published by the various government agencies across Canada and the United States. It will encourage any effort by employees to exceed these standards and provide a leadership role in environmental awareness.

BRC designs its products for maximum longevity by using commercial grade components such as metal brackets, threaded inserts, metal legs, steel frames and high density particleboard. These components, when assembled constitute a durable product that can withstand the challenges of the workplace for many years. In addition, all products are designed for easy installation of repair parts, precluding the necessity to replace the entire product. Metal to metal connections, heavy gauge steel components, polished and ground lead (lifting) screws and composite gears are examples of long life components in our products.

At BRC's manufacturing facility scrap wood, steel and cardboard are recycled when at all possible. These scrap products are collected at BRC and shipped to the appropriate recycling facility to be reprocessed and reused in various new products. All cardboard shipping cartons used by BRC have the highest possible recycled fiber content. At all major project installations, we remove all packaging materials and process them for recycling. Wherever possible, products are shipped bulk packed to reduce overall use of packaging materials or shipped blanket wrapped to completely eliminate the need for packaging. At BRC's facility a Blue Box program collects all recyclable materials. BRC is concerned about the office environment and indoor air quality of its clients. In all manufacturing processes, BRC uses products or processes that are certified to reduce VOC (volatile organic compound) emissions. Adhesives used are either water based or non-solvent dispersed to reduce product off gassing. For painting of metal components, BRC uses an electrostatic powder coating process that is virtually VOC free. In addition to VOC type emissions, BRC is very concerned about formaldehyde emissions and uses wood and wood based products that have negligible formaldehyde emissions.

The BRC Team works hard to earn and keep your business - our success depends on it. If you have any questions or inquires, please contact us at info@brc.group or toll free at 1-877-260-4309.

Warranty

BRC is pleased to offer one of the most competitive warranties in the industry. All furniture products carry a 12 year limited structural warranty. BRC furniture panel and table electrical cabling carry a three year limited warranty. All moving user adjustable components carry a five year limited structural warranty. All other electrical or electronic elements of BRC furniture carry a one year limited warranty.

For full warranty details, terms and conditions, please visit www.brc.group/warranty

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Corporate Outline

Facility

The BRC building is the foundation for a 250 KiloWatt PhotoVoltaic Commercial Rooftop Solar Generator that is building integrated in the sense that it is an extension of the building superstructure. It is expected to generate 365 megawatt/ hours of electricity annually and have a service life from between 30 to 50 years. It is comprised of 1628 190 watt solar modules with 21 string inverters distributed across the rooftop of the 34,400 sq ft facility.

Key Benefits of Solar Energy

- Renewable, consistent power source.
- Unlike fossil fuels, solar panels do not release anything into the air.
- Very reliable – no moving parts.
- Solar cells do not make noise while collecting energy.

Sustainability Policy

Design for the Environment

In conjunction with its environmental and quality policy BRC is committed to a healthy environment and sustainable business practices. Further to this, BRC strongly considers the materials, processes, and material sources during the design stage of new and existing products. BRC gives preference to materials, and sources that conserve energy and raw materials and offers products with a high degree of functionality through their working life and options for end of life repurpose or recycling. Wherever feasible the BRC design team selects products that come from renewable, recycled, recyclable, or biodegradable sources.

Design for Durability / Upgradeable Policy

BRC designs products that are functional and durable with a long useful life for end users. All components are designed to be field serviced or replaced as necessary. Where possible BRC includes universal handing in the design to permit field reversibility, making the need to order new products for office reconfigurations unnecessary. BRC utilizes common parts across much of the product offering to maintain a high degree of continuity.

Zero Waste

BRC is committed to reduction of solid waste from its facility, specifically from fabrication or assembly of components. Its goal is to eliminate all non-reusable solid waste from these production streams by the end of the 2020 fiscal year. BRC will monitor progress through annual data collection and analysis.

Energy Policy and Efficient Purchasing

BRC has established a goal of zero Greenhouse Gas emission by the year 2030. In conjunction with its environmental management system, it has established targets and objectives for the future and monitor its progress towards these targets. BRC measures the CO2 emissions produced from its manufacturing operations and from this data implements strategies to reduce energy consumption and shift its energy dependence towards renewable energy sources. Currently BRC has a 250 kilowatt solar generator which it uses to support its energy reduction goals. BRC has also investigated methods to reduce energy consumption, by exploring new lighting technologies, substituting more energy efficient equipment for older less efficient equipment, and employing other programs such as planned energy events to limit production during peak times to lessen production of CO2 and consumption of energy during critical demand periods.

Health and Safety

BRC is committed to the health and safety of all employees, contractors and visitors who are working for, or are visiting its facility. As such, its goal is to have a zero accident rate. It believes that all accidents are preventable, and with appropriate training, orientation, and health and safety programs, as well as regulatory compliance. The health and safety policy is reviewed by the Joint Health and Safety Committee annually as are other health and safety policies when and as required. The health and safety policy is posted on the employee communication board, and it is also available on the common network drive for employee access. Further information can be obtained through a department manager.

Chemical Management

As part of its commitment to employee health and safety, and that of its customers, BRC is committed to regularly evaluate the chemicals that it uses within its production processes and facility to look for opportunities to reduce, replace or eliminate chemicals of concern. BRC maintains an inventory of chemicals that it uses to track, properly store and dispose of chemicals of concern. Only authorized employees may requisition chemical products and any new chemical products will be added to the chemical inventory and tracked as appropriate. All chemicals on the inventory list will have SDS sheets in printed form, and will also be archived in digital format for easy retrieval.

Social Responsibility Policy

Part of BRC's continued success is rooted in the people that make up its company. As it sets its sights on growth, it too must grow its people resources. To that end BRC is committed to invest in employee education, through training, cross training, product training and other development initiatives. Its employees are a valuable asset to its organization, and it chooses to invest energy into further developing their knowledge and skills.

Corporate Ethics

BRC employees engage with vendors and customers in a legitimate transparent nature. Employees shall not accept gifts, for favours of value or receive any other item or monetary compensation for activities outside of a normal business transaction. Its employees will comply with any laws or regulations applicable to the conduct of its business. In addition, BRC employees will not trade in or acquire securities of, or have any ownership or interest in companies that have been awarded business or material contracts from BRC.

Labour and Human Rights

BRC is committed to respect the basic human rights of its employees and associates. BRC commits to providing decent work hours, wages, conditions as well as upholding all regulatory requirements related to forced, compulsory or child labour.

Equal Employment Opportunity

BRC is an equal opportunity employer. No person will be excluded based on the grounds of age, race, colour, creed, sex, sexual orientation, ancestry, place of origin, citizenship, marital or family status, disability or record of offenses. This policy applies to recruitment and hiring practices but also includes placement, promotion, transfer rate of pay and termination .

Community Engagement

BRC values its community and its place within it. To demonstrate this value, BRC looks for ways to contribute to the community including, donations, volunteerism, sponsorship or participation. Along with this commitment it encourages its employees to do their part to be responsible citizens of the community, by engaging in local events, fundraisers, community programs and conservation efforts.

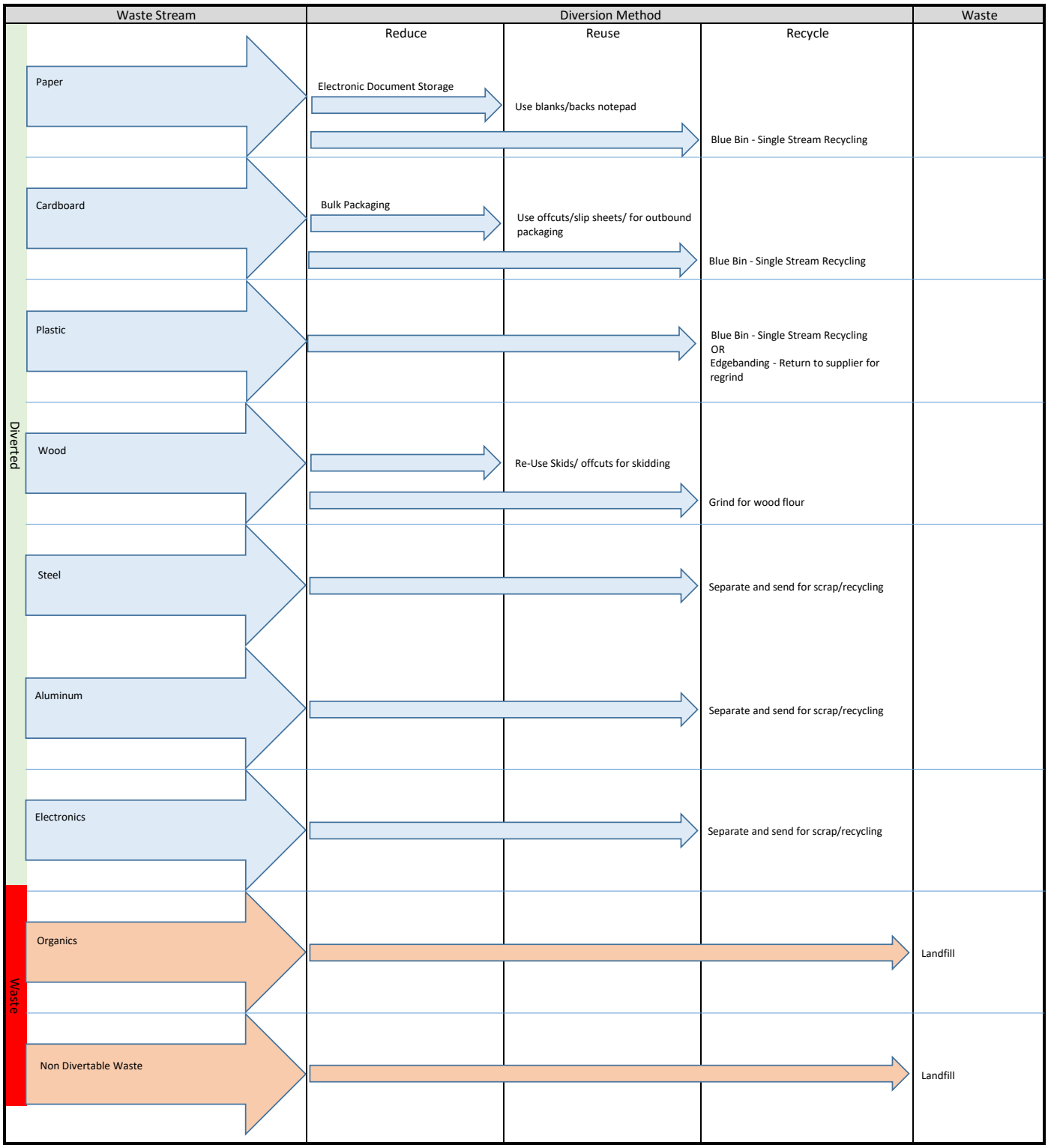
Environmental & Quality Policy

BRC Business Enterprises is committed to the continued development of sustainable business practices and considers the goal of balancing its environmental, economic and social aspirations to be the foremost guiding principle in determining its future as a corporate citizen.

Within the context of BRC as a manufacturer and provider of services related to its products, it's environmental and quality policy is as follows:

- To maintain and comply with the terms of an internationally accepted Quality Management System and Environmental Management System.
- To continuously improve its processes and the effectiveness of its programs through an organized system with attention to the prevention of pollution, reducing waste and minimizing energy consumption.
- To design, develop and continuously improve products and services for extended life use and durability.
- To use, wherever possible, materials with a high recycled component.
- To design and develop products with high degrees of reclaim ability.
- To comply with any and all applicable legal requirements and BIFMA requirements relating to its environmental aspects.
- To regularly and openly communicate its policies with customers, suppliers, employees and stakeholders.
- To regularly review, and revise as necessary, its quality and environmental objectives and goals.
- To have within its Environmental and Quality System a "cost of quality" objective of less than 2% and hence an internal driving force to maintain and fuel increasing levels of quality commitment.
- To have its Environmental and Quality System enhance company and personal pride, increase long term stability and growth for all employees and provide a basis for sustainability.

Waste Streams & Diversion Methods



CFC/PBDE Statement

July, 2019

This statement is to certify that BRC Business Enterprises Ltd. does not use any CFC's (Chlorofluorocarbons) or PBDE's (Polybrominated diphenyl ethers) in its manufacturing facilities.

Additionally, based on the information provided to BRC by it's suppliers, BRC is confident that none of it's suppliers use CFC's or PBDE's beyond any recognized standard.

Certifications

Clean Air Certificate for Systems

CERTIFIED
CLEAN AIR GOLD

Intertek does hereby certify that an independent assessment has been conducted on behalf of

BRC GROUP

Certificate Number: CA-52941-2021f
Certification valid until: 15 September 2022

Applicant Address: **24 Armstrong Ave**
Georgetown, ON L7G4R9 Canada

Product Category: **Furniture, Systems**

Product Details: **See Appendix**

Conformance Criteria: **ANSI/BIFMA e3-2019, Sections 7.6.1, 7.6.2: Private Office.**

Issuing Office Name & Address: **Intertek Testing Services NA, Inc.**
4700 Broadmoor Ave SE, Suite 200
Kentwood, MI 49512 USA
Ph: +1-616-656-7401

Jesse Ondersma
Certification Officer
06 October 2021

CERTIFIED
CLEAN AIR GOLD

Certificate Appendix

BRC GROUP

Certificate Number: CA-52941-2021f

Product Category	**Desking, Components, Panels**
Model Name(s)	**Emotion Series NoLita, FIL Series Accessories, FIL Series Conference, FIL Series Cushions, FIL Series Desks, FIL Series Extended Corner Tables, FIL Series Gallery Panels, FIL Series Pedestal Desks, FIL Series Planter Top, FIL Series Reception, FIL Series Study Carrels, FIL Series Tables, FIL Series Tackboard, FIL Series Worksurfaces, Healthcare Desk Top Barriers, Healthcare Privacy Panel, Healthcare Reception Station, Healthcare Screens, Natural Series Conference, Natural Series Cushions, Natural Series Desks, Natural Series Extended Corner Tables, Natural Series Gallery Panels, Natural Series Pedestal Desks, Natural Series Planter Top, Natural Series Reception, Natural Series Study Carrels, Natural Series Tables, Natural Series Tackboard, Natural Series Worksurfaces**
Product Restrictions	**Excludes Open Plan Office**

Clean Air Certificate for Tables

CERTIFIED CLEAN AIR GOLD

Intertek does hereby certify that an independent assessment has been conducted on behalf of

BRC GROUP

Certificate Number: CA-52941-2021e
Certification valid until: 15 September 2022

Applicant Address: **24 Armstrong Ave**
Georgetown, ON L7G4R9 Canada

Product Category: **Furniture, Tables**

Product Details: **See Appendix**

Conformance Criteria: **ANSI/BIFMA e3-2019, Sections 7.6.1, 7.6.2, 7.6.3: Private Office and Open Floor Plan.**

Issuing Office Name & Address: **Intertek Testing Services NA, Inc.**
4700 Broadmoor Ave SE, Suite 200
Kentwood, MI 49512 USA
Ph: +1-616-656-7401

Jesse Ondersma
Certification Officer
06 October 2021

CERTIFIED CLEAN AIR GOLD

Certificate Appendix

BRC GROUP

Certificate Number: CA-52941-2021e

Product Category	**Height adjustable, Bases/Tops**
Model Name(s)	**Emotion Series Viva, Emotion Series Mesa, FIL Series Bases, Natural Series Bases**
Product Restrictions	**None**

BRC GROUP
CLEAN AIR CERTIFICATION REPORT

SCOPE OF WORK
Clean Air Certification of Furniture Products

REPORT NUMBER
104762965GRR-001

ISSUE DATE
09 September 2021

REVISED DATE
06 October 2021

PAGES
8

DOCUMENT CONTROL NUMBER
SFT-CLEAN AIR-OP-19c (29-April-2019)

4700 Broadmoor Ave SE Suite 200
Kentwood, MI, 49512 USA

Telephone: +1 616 656 7401
Facsimile: +1 616 656 2022
www.intertek.com

CLEAN AIR CERTIFICATION REPORT

SECTION 1 Applicant Information

Report Number	104762965GRR-001	Issue Date	09 September 2021	Revised	6 October 2021

Applicant	BRC Business Enterprises Limited	Manufacturer	BRC Business Enterprises Limited
Address	24 Armstrong Ave Georgetown, ON L7G4R9	Address	24 Armstrong Ave Georgetown, ON L7G4R9
Country	Canada	Country	Canada
Contact	David Mead	Contact	David Mead
Phone	(905) 873-8509 ext 119	Phone	(905) 873-8509 ext 119
FAX	(905) 873-9165	FAX	(905) 873-9165
Email	davem@brc.group	Email	davem@brc.group

Manufacturer		Manufacturer	
Address		Address	
Country		Country	
Contact		Contact	
Phone		Phone	
FAX		FAX	
Email		Email	

BRC Business Enterprises Limited
Intertek Report No.: 104762965GRR-001

CLEAN AIR CERTIFICATION REPORT

SECTION 2 Product Grouping

Clean Air SILVER: Conforms to ANSI/BIFMA e3-2019e, Sections 7.6.1: Private Office.

Certificate	CA-52941-2021d
Product Category	Systems
Product Type	Storage, Files
Brand name	BRC Business Enterprises Ltd.
Models	Emotion Series SoHo, FIL Series Desk Height Credenzas, FIL Series Low Storage Credenzas, FIL Series Low Storage Add on, FIL Series Pedestals, FIL Series Wall Mounted Storage, FIL Series Desk Hutch, FIL Series Filing, FIL Series Storage, FIL Series Bookcases, FIL Series Waste Cabinets, FIL Series Integrated HAT Cabinets, FIL Series Lockers, Healthcare Bedside and Small Storage, Healthcare Lockers, Healthcare Equipment Stations, Healthcare Waste and Recycle Bins, Healthcare Rapid Triage Components, Healthcare Wall Mounted Equipment Stations, Natural Series Desk Height Credenzas, Natural Series Low Storage Credenzas, Natural Series Low Storage Add on, Natural Series Pedestals, Natural Series Wall Mounted Storage, Natural Series Desk Hutches, Natural Series Filing, Natural Series Storage, Natural Series Bookcases, Natural Series Waste Cabinets, Natural Series Integrated HAT Cabinets
Product Restrictions	Excludes Open Plan Office

Clean Air GOLD: Conforms to ANSI/BIFMA e3-2019e, Sections 7.6.1, 7.6.2, 7.6.3: Private Office and Open Plan.

Certificate	CA-52941-2021e
Product Category	Tables
Product Type	Height adjustable, Bases/Tops
Brand name	BRC Business Enterprises Ltd.
Models	Emotion Series Viva, Emotion Series Mesa, FIL Series Bases, Natural Series Bases
Product Restrictions	None

BRC Business Enterprises Limited
Intertek Report No.: 104762965GRR-001

CLEAN AIR CERTIFICATION REPORT

Clean Air GOLD: Conforms to ANSI/BIFMA e3-2019e, Sections 7.6.1, 7.6.2: Private Office.

Certificate	CA-52941-2021f
Product Category	Systems
Product Type	Desking, Components, Panels
Brand name	BRC Business Enterprises Ltd.
Models	Emotion Series NoLita, FIL Series Accessories, FIL Series Conference, FIL Series Cushions, FIL Series Desks, FIL Series Extended Corner Tables, FIL Series Gallery Panels, FIL Series Pedestal Desks, FIL Series Planter Top, FIL Series Reception, FIL Series Study Carrels, FIL Series Tables, FIL Series Tackboard, FIL Series Worksurfaces, Healthcare Desk Top Barriers, Healthcare Privacy Panel, Healthcare Reception Station, Healthcare Screens, Natural Series Conference, Natural Series Cushions, Natural Series Desks, Natural Series Extended Corner Tables, Natural Series Gallery Panels, Natural Series Pedestal Desks, Natural Series Planter Top, Natural Series Reception, Natural Series Study Carrels, Natural Series Tables, Natural Series Tackboard, Natural Series Worksurfaces
Product Restrictions	Excludes Open Plan Office

BRC Business Enterprises Limited
Intertek Report No.: 104762965GRR-001

CLEAN AIR CERTIFICATION REPORT

SECTION 3 Testing Results

Date Tested	Product Category	Product Name	Product ID	Test Method	Result	Report Number
04/26/2019	Tables	Laminate Worksurface (Georgetown)	NSTOP	BIFMA M7.1	ANSI/BIFMA e3-2019e, Sections 7.6.1, 7.6.2, 7.6.3: OP, PO	103903030GRR-002a
04/26/2019	Systems	Tackboard (Georgetown)	Tackboard	BIFMA M7.1	ANSI/BIFMA e3-2019e, Sections 7.6.1, 7.6.2: PO	103903030GRR-002b
04/26/2019	Systems	Complete System (modeled from testing)	Not Specified	BIFMA M7.1	ANSI/BIFMA e3-2019e, Sections 7.6.1, 7.6.2, 7.6.3: PO	103903030GRR-002c
8/11/2020	Casegoods	Mobile Pedestal	NBBFM18.75M3	BIFMA M7.1	ANSI/BIFMA e3-2019e, Sections 7.6.1: PO, 7.6.2: PO	104413049GRR-002a
4/26/2019 & 8/11/2020	Systems	Mobile Pedestal, Laminate worksurface, Tackboard	NBBFM18.75M3, NSTOP, Tackboard	BIFMA M7.1	ANSI/BIFMA e3-2019e, Sections 7.6.1, 7.6.2: PO	104413049GRR-002b
08/06/2021	Systems	Low Open Bedside Storage Drawer	HLBOZ, part of Healthcare Rapid Triage	BIFMA M7.1	ANSI/BIFMA e3-2019e, Sections 7.6.1	104762965GRR-002

BRC Business Enterprises Limited
Intertek Report No.: 104762965GRR-001

CLEAN AIR CERTIFICATION REPORT

SECTION 4 Private Label

MULTIPLE LISTEE 1	
Company Name:	Brand Name:
Address:	
Contact:	Email:
Phone Number:	Note:
Multiple Listee Model	**Basic Listee Correlated Model**
MULTIPLE LISTEE 2	
Company Name:	Brand Name:
Address:	
Contact:	Email:
Phone Number:	Note:
Multiple Listee Model	**Basic Listee Correlated Model**

BRC Business Enterprises Limited
Intertek Report No.: 104762965GRR-001

CLEAN AIR CERTIFICATION REPORT

SECTION 5 Revision History

Date	Project Number	Revision Description	Revised By	Revised By
10/06/2021	G104762965	Certificates a, b, c became d, e, f respectively	Lisa Henderson	Lisa Henderson

BRC Business Enterprises Limited
Intertek Report No.: 104762965GRR-001

CLEAN AIR CERTIFICATION REPORT

SECTION 6 Conclusion

Representative samples of the products covered by this report have been evaluated and found to comply with the applicable requirements of the standards indicated above. Please note, this Report does not represent authorization for the applicant or manufacturer to apply Intertek Certification Marks.			
Completed by:	Lisa Henderson	**Reviewed by:**	Jesse Ondersma
Title:	Sustainability Program Administrator	**Title:**	Certification Manager
Signature:	Lisa Henderson	**Signature:**	Jesse Ondersma

Compliance

TSCA Title 6 Statement

Statement

BRC will source materials through mills that are certified TSCA title 6 compliant. All purchase orders for these materials will be marked with the following statement.

All wood products must be TSCA Title 6 Compliant, formaldehyde emissions must not exceed 0.09ppm.

Background

The Environmental Protection Agency (EPA) is issuing a final rule to implement the Formaldehyde Standards for Composite Wood Products Act, which added Title VI to the Toxic Substances Control Act (TSCA). The purpose of TSCA Title VI is to reduce formaldehyde emissions from composite wood products, which will reduce exposures to formaldehyde and result in benefits from avoided adverse health effects. This final rule includes formaldehyde emission standards applicable to hardwood plywood, medium-density fiberboard, and particleboard, and finished goods containing these products, that are sold, supplied, offered for sale, or manufactured (including imported) in the United States. This final rule includes provisions relating to, among other things, laminated products, products made with no-added formaldehyde resins or ultra low-emitting formaldehyde resins, testing requirements, product labeling, chain of custody documentation and other record keeping requirements, enforcement, import certification, and product inventory sell-through provisions, including a product stockpiling prohibition. This final rule also establishes a third-party certification program for hardwood plywood, medium-density fiberboard, and particleboard and includes procedures for the accreditation of third-party certifiers and general requirements for accreditation bodies and third-party certifiers.

Above Excerpt Reference: https://www.regulations.gov/document?D=EPA-HQ-OPPT-2016-0461-0001

Labelling and Forms

The following declaration “All BRC finished goods are manufactured using TSCA title VI compliant materials” is printed on the following forms and labels.

- Product Warranty Label
- Delivery Note Form
- Bill of Lading Form

TSCA Title 6 Statement - Uniboard

Formaldehyde Emissions Grademark Certification Program

CERTIFICATE OF COMPLIANCE

Composite Panel Association
19465 Deerfield Ave, Suite 306, Leesburg, VA 20176

Hereby Affirms That

UNIBOARD CANADA INC.

2700 JEAN JACQUES COSSETTE, VAL D'OR, QUEBEC, CANADA J9P 5G6

Fulfills the Requirements of:

U.S. EPA TSCA Title VI (40 CFR Part 770)
Formaldehyde Emission Standards for Composite Wood Products

SCOPE OF CERTIFICATION
Particleboard (IN1, IN2, IN3 and IN5)

Mill 209
Renewed: August 15, 2022; Expires: August 15, 2024
To verify continued certification, visit www.CertifiedbyCPA.org
Email certification@cpamail.org

Brian T. Sause
Director – Certification and Industry Affairs

TSCA Title 6 Statement - Tafisa

Formaldehyde Emissions Grademark Certification Program

CERTIFICATE OF COMPLIANCE

Composite Panel Association
19465 Deerfield Ave, Suite 306, Leesburg, VA 20176

Hereby Affirms That

TAFISA CANADA INC.

4660 VILLENEUVE ST, LAC-MEGANTIC, QUEBEC, CANADA G6B 2C3

Fulfills the Requirements of:

U.S. EPA TSCA Title VI (40 CFR Part 770)
Formaldehyde Emission Standards for Composite Wood Products

SCOPE OF CERTIFICATION
Particleboard (iN1, iN5, iN6, iN7, and iN8)

Mill 216
Renewed: June 17, 2022; Expires: June 17, 2024
To verify continued certification,
visit www.CertifiedbyCPA.org

Brian T. Sause
Director – Certification and Industry Affairs

TSCA Title 6 Statement - Panolam

Formaldehyde Emissions Grademark Certification Program

CERTIFICATE OF COMPLIANCE

Composite Panel Association
19465 Deerfield Ave, Suite 306, Leesburg, VA 20176

Hereby Affirms That

PANOLAM INDUSTRIES INTERNATIONAL INC.

MUSKOKA ROAD 3, HUNTSVILLE, ONTARIO, CANADA P1H 2J7

Fulfills the Requirements of:

U.S. EPA TSCA Title VI (40 CFR Part 770)
Formaldehyde Emission Standards for Composite Wood Products

SCOPE OF CERTIFICATION
Particleboard (IN5 L1 and IN7 L2)

Mill 208
Renewed: June 16, 2022; Expires: June 16, 2024
To verify continued certification,
visit www.CertifiedbyCPA.org

Brian T. Sause
Director – Certification and Industry Affairs

TSCA Title 6 Statement - Arauco

Formaldehyde Emissions Grademark Certification Program

CERTIFICATE OF COMPLIANCE

Composite Panel Association
19465 Deerfield Ave, Suite 306, Leesburg, VA 20176

Hereby Affirms That

ARAUCO NORTH AMERICA

2550 OLD SALEM RD NE, ALBANY, OREGON 97321

Fulfills the Requirements of:

U.S. EPA TSCA Title VI (40 CFR Part 770)
Formaldehyde Emission Standards for Composite Wood Products

SCOPE OF CERTIFICATION
Particleboard (DRC, FRT, IND L3 and IND L4)

Mill 007
Renewed: March 10, 2022; Expires March 10, 2024
To verify continued certification,
visit www.CertifiedbyCPA.org

Brian T. Sause
Director – Certification and Industry Affairs

TSCA Title 6 Statement - Formica

ENVIRONMENTAL PRODUCT DECLARATION

FORMICA® HIGH PRESSURE LAMINATE

Formica® Brand Laminate offers a broader range of looks than ever before. Transform spaces with our modern laminates that are as beautiful as they are durable. Mix and match solids, graphic patterns and finishes.

The functional unit is 1 m² (10.76 ft²) of product for a usage of 10 years.

FORMICA®

At Formica Corporation, we continually strive to create innovative products that support sustainable design and contribute to a healthier environment. We are committed to a long-term planning horizon that includes becoming an industry leading environmental steward.

As the inventor of high pressure laminate, Formica Corporation has always worked to provide innovative, high quality products. Efficient use of resources is at our core, and we have taken many steps to improve our environmental footprint - from reusing the water in our presses to incorporating recycled materials into our surfacing products. As part of our new sustainability approach, Formica Corporation will publish its environmental impact data every year, as well as our targets and initiatives for the coming year.

UL CERTIFIED ENVIRONMENTAL PRODUCT DECLARATION ULCOM/EPD

ENVIRONMENTAL PRODUCT DECLARATION

FORMICA®

FORMICA® BRAND LAMINATE
HIGH PRESSURE LAMINATES

According to ISO 14025

This declaration is an environmental product declaration (EPD) in accordance with ISO 14025. EPDs rely on Life Cycle Assessment (LCA) to provide information on a number of environmental impacts of products over their life cycle. Exclusions: EPDs do not indicate that any environmental or social performance benchmarks are met, and there may be impacts that they do not encompass. LCAs do not typically address the site-specific environmental impacts of raw material extraction, nor are they meant to assess human health toxicity. EPDs can complement but cannot replace tools and certifications that are designed to address these impacts and/or set performance thresholds – e.g. Type 1 certifications, health assessments and declarations, environmental impact assessments, etc. Accuracy of Results: EPDs regularly rely on estimations of impacts, and the level of accuracy in estimation of effect differs for any particular product line and reported impact. Comparability: EPDs are not comparative assertions and are either not comparable or have limited comparability when they cover different life cycle stages, are based on different product category rules or are missing relevant environmental impacts. EPDs from different programs may not be comparable.

PROGRAM OPERATOR	UL Environment 333 Pfingsten Road Northbrook, IL 60611
DECLARATION HOLDER	General Program Instructions v2.5 March 2020
DECLARATION NUMBER	4789852082.101.1
DECLARED PRODUCT	Formica® Brand Laminate
REFERENCE PCR	Residential Countertops NSF 2021
REFERENCE PCR STANDARD	☐ EN 15804 (2012) ☐ ISO 21930 (2007) ☒ ISO 21930 (2017)
DATE OF ISSUE	10/1/2021
PERIOD OF VALIDITY	5 Years
CONTENTS OF THE DECLARATION	Product definition and information about building physics Information about basic material and the material's origin Description of the product's manufacture Indication of product processing Information about the in-use conditions Life cycle assessment results Testing results and verifications
The PCR review was conducted by:	NSF International NSF PCR Review Committee ncss@nsf.org
This declaration was independently verified in accordance with ISO 14025 by Underwriters Laboratories ☐ INTERNAL ☒ EXTERNAL	James Mellentine, Thrive ESG
This life cycle assessment was independently verified in accordance with ISO 14044 and the reference PCR by:	James Mellentine, Thrive ESG

ENVIRONMENTAL PRODUCT DECLARATION

FORMICA® BRAND LAMINATE
HIGH PRESSURE LAMINATES

According to ISO 14025

About Formica Corporation

Formica Corporation is a leading provider of branded, designed surfacing solutions for commercial and residential customers worldwide. As the world's largest manufacturer of High Pressure Laminate (HPL), our international network of design, manufacturing, distribution and sales operations maintains the recognition of Formica® as a global brand.

The heritage and brand reputation of Formica Corporation has been founded on quality, service and innovative product lines. We have developed an unrivaled expertise that ensures products meet the needs of their applications — as well as market demands.

At Formica Corporation, we continually strive to create innovative products that support sustainable design and contribute to a healthier environment. We are committed to a long-term planning horizon that includes becoming an industry-leading environmental steward.

Working closely with architects, designers and developers, the company is strategically positioned to offer new products and surfacing solutions that complement current design trends. Our ongoing product design and development process underscores our commitment to innovation.

In addition, we provide our homeowner customers with the surfacing materials they need, whether it's laminate countertops for a kitchen renovation, a vanity top for a bathroom remodel, DIY cabinet refacing, or countless other projects.

About Formica® Brand Laminate

Product Description

Formica® Brand Laminates are comprised of paper, melamine resin impregnated surface sheets and phenolic resin impregnated core structural components. The layers are pressed under high temperatures and pressures where polymerization and consolidation takes place. There is an extra tough, scuff and mar resistant Elite Form technology that is applied to the melamine surface prior to pressing. This provides for a stain resistant, maintenance free and easy cleaning countertop.

Formica® Brand Laminates can be used for private and residential housing, hospitals and laboratories, public buildings, railway stations, airport terminals/infrastructure, transportation, hotels, education, retail and commercial buildings, sport & recreation centers and industrial buildings. The performance properties of Formica® Brand Laminates make them suitable for use in a wide variety of interior applications such as: wall cladding, railing infill panels, furniture, tables, desks, column cladding and lab equipment, cubicles, ceilings, window sills, worktops, counter tops,wash basins, etc.

Fabricators including postforming shops apply the HPL to the surface of particleboard to make countertops using Contact or PVA adhesives. Options include various edge profiles, backsplashes, undermount or top mount drop-in sinks, hundreds of Formica® designs and many finishes. Countertops are cut to size and used in commercial and residential kitchens, break rooms, bars and restaurants.

In residential application, Formica® Brand Laminates are offered notably for thicknesses of 0.9 mm (0.035") and 0.7mm (0.027"). Assembled to a particleboard they can be used to manufacture countertops.

This study refers to countertops made from a 0.035"/0.027" average Formica® Brand Laminate bonded to a particleboard. The final countertop is 19.05mm (3/4") thick, and includes front edge and backsplash. The area weights are respectively 14.71 kg/m² for countertops with 0.035" HPL and 14.54 kg/m² for the ones with 0.027" HPL.

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FORMICA®

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Product Characteristics and performance

Formica® Brand Laminate products conform to the following characteristics:

- NSF/ANSI 35 High Pressure Decorative Laminates for Food Surfacing Equipment
- Greenguard Gold UL 2818 - 2013 Chemical Emissions for Building Materials, Finishes and Furnishings
- FSC Forest Stewardship Council®
- ANSI / NEMA STANDARDS PUBLICATION — LD3- 2005

Characteristic	Nominal value	Unit
Primary material thickness (Formica®)	0.7-0.9 (0.027-0.035)	mm (inch)
Final countertop thickness	19 (0.75)	mm (inch)
Countertop length	2,286 (7.5)	mm (feet)
Countertop width	648 (25.5)	mm (inch)
Countertop weight	14.5-14.7 (47.7-48.2)	kg/m^2 (lb/ft^2)
Countertop density	743 (46)	kg/m^3 (lb/ft^3)
Use rating	Residential/Commercial	
Substrate type	Particleboard	
VOC emissions test method	CDPH Standard Method V1.2-2017	

Table 1: Product characteristics for countertops made from Formica® Brand Laminate.

Additional characteristics	Nominal value	Test Method
Appearance	Pass	ANSI/NEMA LD 3, 3.1 Appearance
Surface finish	Variable	ANSI/NEMA LD 3, 3.2 Surface Finish
Light resistance rating	Variable	ANSI/NEMA LD 3, 3.3 Light Resistance
Cleanability rating	Pass	ANSI/NEMA LD 3, 3.4 Cleanability
Stain rating	Pass	ANSI/NEMA LD 3, 3.4 Stain 1-10 ANSI/NEMA LD 3, 3.4 Stain 11-15
Boiling water resistance rating	Pass	ANSI/NEMA LD 3, 3.5 Boiling Water Resistance
High temperature resistance rating	Pass	ANSI/NEMA LD 3, 3.6 High Temperature Resistance
Scratch resistance	Pass	ANSI/NEMA LD 3, 3.7 Scratch Resistance
Ball impact resistance	Pass	ANSI/NEMA LD 3, 3.8 Ball Impact Resistance (mm or inch)
Dart impact resistance	Pass	ANSI/NEMA LD 3, 3.9 Dart Impact Resistance (mm or inch)
Radiant heat resistance	Pass	ANSI/NEMA LD 3, 3.10 Radiant Heat Resistance (Coil and Strip Methods) (sec.)
Dimension change	Pass	ANSI/NEMA LD 3, 3.11 Dimensional Change (%)
Room temperature dimensional stability	Pass	ANSI/NEMA LD 3, 3.12 Room Temperature Dimensional Stability (%)
Wear resistance	Pass	ANSI/NEMA LD 3, 3.13 Wear Resistance (cycles)
Other characteristics	GREENGUARD and GREENGUARD gold certification	

Table 2: Product performance results for Formica® Brand Laminate.

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Material composition

Formica® Brand Laminates are comprised of paper, melamine resin impregnated surface sheets and phenolic resin impregnated core structural components. The layers are pressed under high temperatures and pressures where polymerization and consolidation takes place.

Fabricators including postforming shops apply the HPL to the surface of particleboard to make countertops using adhesives. Ingredients of the final countertops are summarized in Table 3.

	0.035" Formica® Brand Laminates		0.027" Formica® Brand Laminates		
Material	**Amount in final product (kg/m²)**	**Percent of Total (%)**	**Amount in final product (kg/m²)**	**Percent of Total (%)**	**Material Resources Type**
Formica® Laminate					
Paper	0.71	5%	0.47	3%	Virgin renewable
Recycled paper	0.22	1%	0.22	1.5%	Recycled
Resin	0.30	2%	0.22	1.5%	Virgin non-renewable
Total	**1.23**	**8%**	**0.91**	6%	
Substrate					
Particleboard	12.23	83%	12.37	85%	Virgin renewable
Particleboard	1.25	8%	1.26	9%	Virgin non-renewable
Total	**13.48**	**92%**	**13.63**	94%	
Countertop					
Total	**14.71**	**100%**	**14.54**	**100%**	

Table 3: Material composition of countertops made from Formica® Brand Laminate in kilograms per functional unit and in percentage of total weight.

Countertops production

Formica® Brand Laminate products sold in North America are produced at the facilities located in the US, and in Canada. The production is weighted based on volumes from each plant for 2019. At each facility, raw materials are mixed, impregnated, cut into sheets and pressed together to form the HPLs. The sheets are then trimmed to size and sanded before being packaged for distribution.

The following study also includes data for the substrate, based on the EPD for particleboard from Roseburg Forest Products published in 2018.

Underlying Life Cycle Assessment

A cradle-to-grave life cycle assessment (LCA) was completed for this product in accordance to ISO 14040, ISO14044 and the NSF Product Category Rules for Environmental Product Declaration: *PCR for Residential Countertops*. The analysis represents the average environmental performance of Formica® Brand Laminate bonded to a particleboard substrate. The diagram below illustrates the life cycle stages included in this EPD.

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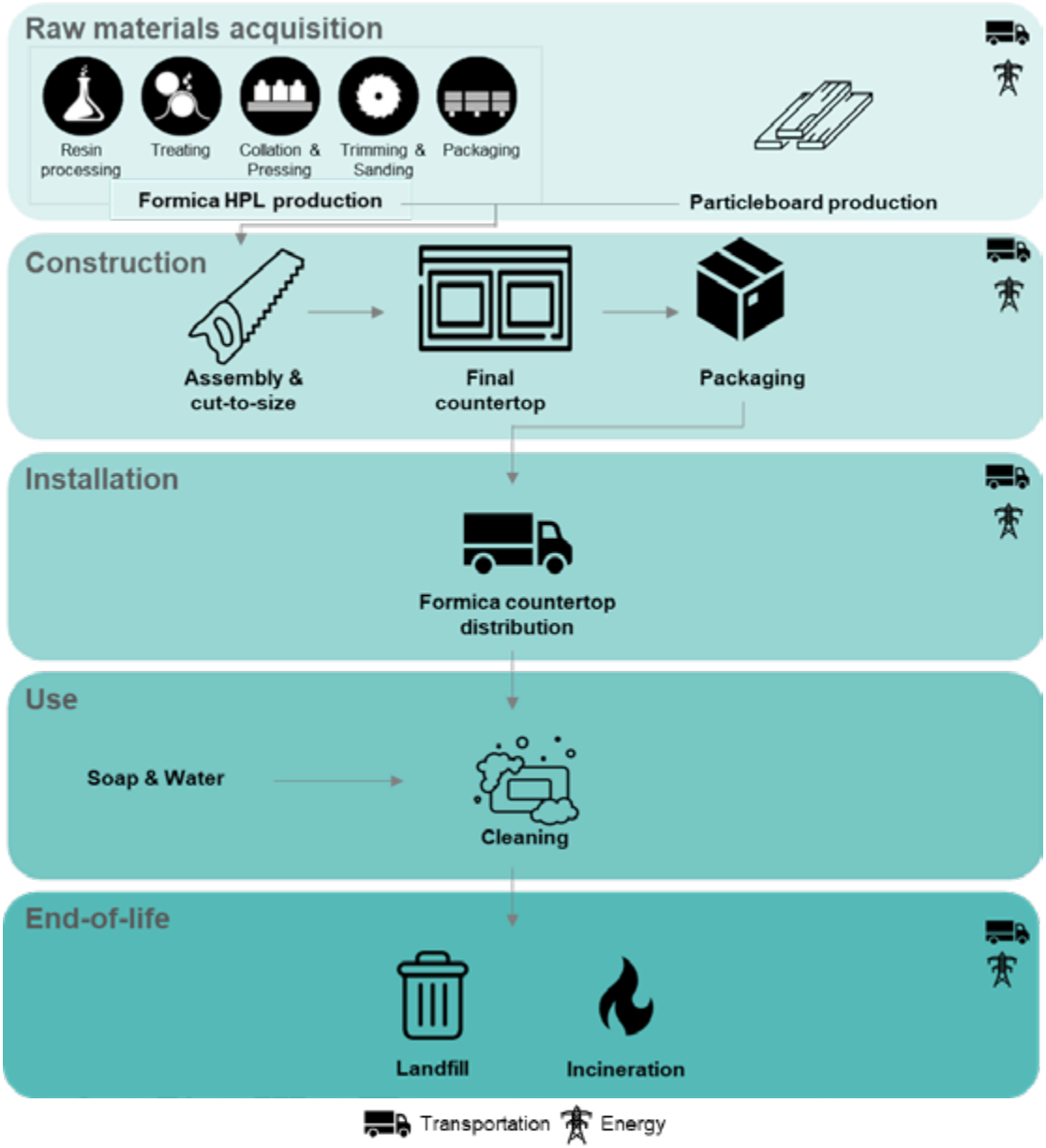
Product life cycle flow

The diagram below represents the most significant stages in the life cycle of countertops made from Formica® Brand Laminate. This includes materials acquisition and pre-processing, construction, installation, use and end-of-life.



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Life cycle inventory

Formica® Brand Laminates are offered notably for thicknesses of 0.9 mm (0.035") and 0.7mm (0.027"). The life cycle inventory (LCI) flows for the EPD are shown in Table 4 and 5 in accordance with the requirements of the PCR.

0.035" Formica® Brand Laminates

Impact Category	Total	Material Acquisition & Pre-Processing	Construction	Installation	Use	End-of-life
Emissions to air (kg)						
Sulfur oxides (SO_x)	**$1.17x10^{-4}$**	$1.47\ x10^{-5}$	$8.10x10^{-5}$	$3.83x10^{-6}$	$1.55x10^{-6}$	$1.62x10^{-5}$
Sulfur dioxide (SO_2)	**$4.92\ x10^{-2}$**	$1.69x10^{-2}$	$1.00x10^{-2}$	$9.98x10^{-3}$	$1.16x10^{-3}$	$1.12x10^{-2}$
Nitrogen oxides (NO_x)	**$5.63x10^{-2}$**	$2.36x10^{-2}$	$8.39x10^{-3}$	$1.55x10^{-2}$	$1.56x10^{-3}$	$7.22x10^{-3}$
Carbon dioxide, fossil (CO_2)	**$2.20x10^{1}$**	6.07	3.11	4.84	$3.53x10^{-1}$	7.59
Carbon dioxide, biogenic (CO_2)	**7.05**	3.29	$6.84x10^{-1}$	$1.44x10^{-1}$	1.11	1.83
Methane (CH_4)	**$2.89x10^{-5}$**	$-4.95x10^{-6}$	$9.10x10^{-9}$	$3.38x10^{-5}$	$3.12x10^{-9}$	$3.94x10^{-9}$
Dinitrogen monoxide (N_2O)	**$1.99x10^{-3}$**	$2.65x10^{-4}$	$1.16x10^{-3}$	$1.43x10^{-4}$	$2.24x10^{-4}$	$2.07x10^{-4}$
Carbon monoxide, fossil (CO)	**$1.83x10^{-1}$**	$1.35x10^{-2}$	$1.51x10^{-2}$	$4.79x10^{-3}$	$9.56x10^{-4}$	$1.49x10^{-1}$
Carbon monoxide, biogenic (CO)	**$9.08x10^{-3}$**	$6.29x10^{-3}$	$8,31x10^{-4}$	$1,81x10^{-4}$	$7,15x10^{-4}$	$1,06x10^{-3}$
Water usage and emissions to water (kg)						
Phosphates	**$3.59x10^{-2}$**	$5.22x10^{-3}$	$3.97x10^{-3}$	$9.28x10^{-3}$	$8.69x10^{-3}$	$8.77x10^{-3}$
Nitrates	**$6.84x10^{-2}$**	$4.13x10^{-3}$	$9.49x10^{-3}$	$3.12x10^{-3}$	$1.58x10^{-2}$	$3.59x10^{-2}$
Dioxin	**$3.82x10^{-17}$**	$1.56x10^{-17}$	$7.31x10^{-18}$	$1.99x10^{-18}$	$2.14x10^{-18}$	$1.12x10^{-17}$
Arsenic	**$6.19x10^{-5}$**	$1.32x10^{-5}$	$1.35x10^{-5}$	$1.47x10^{-5}$	$1.39x10^{-6}$	$1.91x10^{-5}$
Cadmium	**$1.58x10^{-4}$**	$6.11x10^{-6}$	$9.22x10^{-6}$	$2.69x10^{-6}$	$8.81x10^{-7}$	$1.39x10^{-4}$
Chromium	**$1.84x10^{-5}$**	$9.43x10^{-6}$	$6.87x10^{-6}$	$1.24x10^{-6}$	$6.61x10^{-7}$	$1.64x10^{-7}$
Lead	**$8.66x10^{-3}$**	$2.31x10^{-3}$	$3.12x10^{-4}$	$4.08x10^{-5}$	$2.42x10^{-5}$	$5.97x10^{-3}$
Mercury	**$2.03x10^{-5}$**	$7.48x10^{-7}$	$1.28x10^{-6}$	$7.98x10^{-7}$	$8.05x10^{-8}$	$1.74x10^{-5}$
Water input	**$6.48x10^{1}$**	$1.95x10^{1}$	$1.77x10^{1}$	$1.72x10^{1}$	2.59	7.73
Water consumption	**$5.58x10^{1}$**	$5.54x10^{1}$	$7.90x10^{-2}$	$2.45x10^{-2}$	$2.65x10^{-1}$	$3.22x10^{-2}$

Energy types and usage (MJ)						
Total Non-renewable	**$4.92x10^{2}$**	$2.90x10^{2}$	$5.96x10^{1}$	$1.04x10^{2}$	4.76	$3.39x10^{1}$
Non renewable, fossil	**$4.53x10^{2}$**	$2.76x10^{2}$	$5.41x10^{1}$	$8.69x10^{1}$	4.00	$3.19x10^{1}$
Non-renewable, nuclear	**$3.93x10^{1}$**	$1.37x10^{1}$	5.56	$1.74x10^{1}$	$7.63x10^{-1}$	1.94
Total Renewable	**$1.93x10^{2}$**	$1.72x10^{2}$	$1.17x10^{1}$	2.97	4.66	1.69
Renewable, biomass	**$9.18x10^{1}$**	$7.31x10^{1}$	$1.12x10^{1}$	1.41	4.59	1.44
Renewable, wind, solar, geothermal	**$1.01x10^{2}$**	$9.88x10^{1}$	$5.01x10^{-1}$	1.56	$7.58x10^{-2}$	$2.44x10^{-1}$
Waste management (kg)						
Incineration with energy recovery	**N/A**	N/A	N/A	N/A	N/A	N/A
Incineration without energy recovery	**3.03**	N/A	$8.33x10^{-2}$	N/A	N/A	2.94
Landfill (non-hazardous waste)	**$1.29x10^{1}$**	$7.62x10^{-1}$	$3.61x10^{-1}$	N/A	N/A	$1.18x10^{1}$
Hazardous waste	**$3.61x10^{-2}$**	$3.61x10^{-2}$	N/A	N/A	N/A	N/A
Landfill avoidance (recycling)	**$2.68x10^{-2}$**	$2.68x10^{-2}$	N/A	N/A	N/A	N/A

Table 4: Life cycle inventory flows results for 1m² of countertops made from 0.035" Formica® Brand Laminate including the substrate, front-edge and backsplash, for a period of 10 years.

0.027" Formica® Brand Laminates

Impact Category	Total	Material Acquisition & Pre-Processing	Construction	Installation	Use	End-of-life
Emissions to air (kg)						
Sulfur oxides (SO_x)	**$1.14x10^{-4}$**	$1.15x10^{-5}$	$8.10x10^{-5}$	$3.80x10^{-6}$	$1.55x10^{-6}$	$1.60x10^{-5}$
Sulfur dioxide (SO_2)	**$4.52x10^{-2}$**	$1.29x10^{-2}$	$1.00x10^{-2}$	$9.95x10^{-3}$	$1.16x10^{-3}$	$1.11x10^{-2}$
Nitrogen oxides (NO_x)	**$5.22x10^{-2}$**	$1.97x10^{-2}$	$8.39x10^{-3}$	$1.54x10^{-2}$	$1.56x10^{-3}$	$7.14x10^{-3}$
Carbon dioxide, fossil (CO_2)	**2.06x10**	4.78	3.12	4.83	$3.53x10^{-1}$	7.50
Carbon dioxide, biogenic (CO_2)	**6.18**	2.44	$6.84x10^{-1}$	$1.44x10^{-1}$	1.11	1.81
Methane (CH_4)	**$3.02x10^{-5}$**	$-3.67x10^{-6}$	$9.11x10^{-9}$	$3.38x10^{-5}$	$3.12x10^{-9}$	$3.89x10^{-9}$

Dinitrogen monoxide (N_2O)	**1.93x10^{-3}**	2.02x10^{-4}	1.16x10^{-3}	1.42x10^{-4}	2.24x10^{-4}	2.05x10^{-4}
Carbon monoxide, fossil (CO)	**1.79x10^{-1}**	1.07x10^{-2}	1.51x10^{-2}	4.75x10^{-3}	9.56x10^{-4}	1.47x10^{-1}
Carbon monoxide, biogenic (CO)	**7.45x10^{-3}**	4.68x10^{-3}	8.31x10^{-4}	1.80x10^{-4}	7.15x10^{-4}	1.05x10^{-3}
Water usage and emissions to water (kg)						
Phosphates	**3.46x10^{-2}**	3.96x10^{-3}	3.97x10^{-3}	9.28x10^{-3}	8.69x10^{-3}	8.67x10^{-3}
Nitrates	**6.70x10^{-2}**	3.10x10^{-3}	9.49x10^{-3}	3.12x10^{-3}	1.58x10^{-2}	3.55x10^{-2}
Dioxin	**3.42x10^{-17}**	1.18x10^{-17}	7.31x10^{-18}	1.98x10^{-18}	2.14x10^{-18}	1.10x10^{-17}
Arsenic	**5.85x10^{-5}**	1.00x10^{-5}	1.35x10^{-5}	1.47x10^{-5}	1.39x10^{-6}	1.89x10^{-5}
Cadmium	**1.55x10^{-4}**	4.63x10^{-6}	9.23x10^{-6}	2.68x10^{-6}	8.81x10^{-7}	1.38x10^{-4}
Chromium	**1.60x10^{-5}**	7.02x10^{-6}	6.87x10^{-6}	1.24x10^{-6}	6.61x10^{-7}	1.62x10^{-7}
Lead	**8.00x10^{-3}**	1.72x10^{-3}	3.13x10^{-4}	4.07x10^{-5}	2.42x10^{-5}	5.90x10^{-3}
Mercury	**2.00x10^{-5}**	5.66x10^{-7}	1.28x10^{-6}	7.97x10^{-7}	8.05x10^{-8}	1.72x10^{-5}
Water input	**5.99x10**	1.47x10	1.77x10	1.72x10	2.59	7.64
Water consumption	**5.64x10^{1}**	5.60x10^{1}	7.90x10^{-2}	2.45x10^{-2}	2.65x10^{-1}	3.18x10^{-2}
Energy types and usage (MJ)						
Total Non-renewable	**4.66x10^{2}**	2.64x10^{2}	5.96x10	1.04x10^{2}	4.76	3.35x10
Non renewable, fossil	**4.28x10^{2}**	2.52x10^{2}	5.41x10	8.66x10	4.00	3.16x10
Non-renewable, nuclear	**3.78x10**	1.22x10	5.56	1.74x10	7.63x10^{-1}	1.92
Total Renewable	**1.77x10^{2}**	1.56x10^{2}	1.17x10	2.97	4.66	1.67
Renewable, biomass	**7.46x10**	5.60x10	1.12x10	1.41	4.59	1.43
Renewable, wind, solar, geothermal	**1.02x10^{2}**	9.97x10	5.01x10^{-1}	1.56	7.58x10^{-2}	2.42x10^{-1}
Waste management (kg)						
Incineration with energy recovery	**N/A**	N/A	N/A	N/A	N/A	N/A
Incineration without energy recovery	**2.99**	N/A	8.36x10^{-2}	N/A	N/A	2.91
Landfill (non-hazardous waste)	**1.27x10**	6.68x10^{-1}	3.62x10^{-1}	N/A	N/A	1.16x10
Hazardous waste	**2.68x10^{-2}**	2.68x10^{-2}	N/A	N/A	N/A	N/A

Landfill avoidance (recycling)	**1,99x10^{-2}**	1,99x10^{-2}	N/A	N/A	N/A	N/A

Table 5: Life cycle inventory flows results for 1m^2 of countertops made from 0.027" Formica® Brand Laminate including the substrate, front-edge and backsplash, for a period of 10 years.

Life Cycle impact assessment

The life cycle impact assessment (LCIA) for the EPD is conducted in accordance with the requirements of the PCR. All impact category indicators are estimated using TRACI 2.1, with the exception of global warming potential which uses Intergovernmental Panel on Climate Change (IPCC) fifth assessment report (AR5) characterization factors and biogenic carbon which is estimated using EN 15804+A2 methodology. The LCIA results are calculated using Simapro 9.1 software. Results are rounded to three significant figures.

Formica® Brand Laminates are offered notably for thicknesses of 0.9 mm (0.035") and 0.7mm (0.027"). The Life Cycle impact assessment results for these thicknesses are presented in Table 6 and 7.

0.035" Formica® Brand Laminates

Impact Category	Units	Total	Material Acquisition & Pre-Processing	Construction	Installation	Use	End-of-life
Global Warming Potential	kg CO2 eq	**44.9**	18.1	4.09	6.65	0.994	15.1
Biogenic carbon	kg CO2 eq	**-16.2**	-27.0	0.0316	0.0186	0.178	10.6
Acidification potential	kg SO2 eq	**0.151**	0.0913	0.0174	0.0216	3.51x10^{-3}	0.0175
Photochemical ozone creation potential	kg O3 eq	**1.46**	0.601	0.250	0.388	0.0415	0.182
Eutrophication potential	kg N eq	**1.42**	1.24	0.0166	0.0247	0.0309	0.103
Ozone depletion potential	kg CFC-11 eq	**3.58 x10^{-6}**	1.29 x10^{-6}	5.52 x10^{-7}	1.01 x10^{-6}	8.81 x10^{-8}	6.37 x10^{-7}

Table 6: LCIA results for 1m^2 of countertops made from 0.035" Formica® Brand Laminate including the substrate, front-edge and backsplash, for a period of 10 years.

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0.027" Formica® Brand Laminates

Impact Category	Units	Total	Material Acquisition & Pre-Processing	Construction	Installation	Use	End-of-life
Global Warming Potential	kg CO2 eq	**43.1**	16.5	4.09	6.63	0.994	14.9
Biogenic carbon	kg CO2 eq	**-16.1**	-26.8	0.0326	0.0186	0.178	10.5
Acidification potential	kg SO2 eq	**0.144**	0.0845	0.0174	0.0215	$3.51x10^{-3}$	0.0173
Photochemical ozone creation potential	kg O3 eq	**1.36**	0.504	0.250	0.384	0.0415	0.179
Eutrophication potential	kg N eq	**1.43**	1.25	0.0166	0.0246	0.0309	0.102
Ozone depletion potential	kg CFC-11 eq	**$3.30 x10^{-6}$**	$1.02 x10^{-6}$	$5.53 x10^{-7}$	$1.01 x10^{-6}$	$8.81 x10^{-8}$	$6.29 x10^{-7}$

Table 7: LCIA results for 1m² of countertops made from 0.027" Formica® Brand Laminate including the substrate, front-edge and backsplash, for a period of 10 years.

Formica® Brand Laminate offers a broader range of looks than ever before. Transform spaces with our modern laminates that are as beautiful as they are durable. Mix and match solids, graphic patterns and finishes.

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Other Environmental Information

The requirements of NSF/ANSI 35 are applicable to HPDL for use as work and non-work surfaces of food service equipment on which direct contact during normal preparation or holding operations is not intended, expected, or reasonable. Applications of HPDL covered by this Standard include wait stations, service counters, and other counters used in conjunction with cutting boards or other means of preventing direct food contact with the laminate.

Formica® Brand Laminate products meet all GREENGUARD & GREENGUARD Gold requirements for indoor air quality.

The GREENGUARD Environmental Institute (GEI) Certification program helps manufacturers create, and buyers identify, products and materials that have low chemical emissions, improving the quality of air in which the products are used. The standards establish certification procedures including test methods, allowable emission levels, product sample collection, testing, as well as program application processes, toxicity limits and acceptance.

Formica® Brand Laminates contain FSC® Certified Wood (Certification code: SCS-COC-003270).

FSC is an independent, non-government, not-for-profit organization established to promote responsible forest management practices worldwide. It was created out of concern for the loss of the world's forests and failure to address deforestation. FSC forest management certification is awarded to forest managers who adopt practices that provide environmental, social and economic benefits. FSC Principles and Criteria provide a foundation for all forest management standards globally.

Formica® Brand Laminates contain up to 13% recycled content (inclunding pre- and post-consumer) according to the ISO Standard 14021.

Pre-consumer recycled content formerly known as postindustrial content: the percentage of material in a product that is recycled from manufacturing waste. Examples include planer shavings, sawdust and trimmed materials. Rework, regrind or scrap materials capable of being reclaimed within the same process that generated them are excluded.

Post-consumer recycled content: the percentage of material in a product that is consumer waste generated by household, commercial, industrial or institutional activity.

For more information and to access all certifications and sustainability initiatives, please visit:

https://www.formica.com/en-us/campaigns/sustainability

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Supporting technical information

Functional unit

In accordance to the PCR the declared unit is 1 m² (10.76 ft²) of residential countertop for a period of ten (10) years in residential use. The product build-up is made from Formica® Brand Laminates 0.9mm (0.035 inches)/0.7mm (0.027 inches) assembled to a particleboard 18.15mm/18.35mm. The final countertop is 19.05mm (3/4 inches) thick and includes front edge and backsplash. The final countertop has an area weight of 14.71 kg/m² /14.54 kg/m².

Data collection for the foreground system

- **Raw Materials Acquisition**:
  - For the HPL, the foreground primary data of the manufacturing process refers to the year 2019, and represents a weighted average of the manufacturing facilities of Formica Corporation in Cincinnati, Ohio, USA and St. Jean-sur-Richelieu, Canada. Any processing of secondary materials used to produce the HPL is also included.
  - For the particleboard, the foreground data is based on the EPD of one of our stakeholder Roseburg Forest Products, published in 2018.
- **Construction:** due to the lack of primary data with North America geographical coverage, assumptions were based on primary data collected in our sister company Westag A.G, located in Germany.
- **Installation**: data from our technical services team at Formica and the EIA CBECS 2012 survey for the energy consumption of warehouses.
- **Usage & maintenance**: data from our technical services team at Formica.
- **End-of-life**: general disposition determined by US EPA in the “Solid Waste Management and Greenhouse Gases: A Life-Cycle Assessment of emissions and sinks” document.
- **For all stages**: distances to the waste facility are based on the US EPA WARM model.

Allocation

- **In the foreground data**: the production of HPL occurs at the manufacturing facilities of Formica Corporation in Cincinnati, Ohio, USA and St. Jean-sur-Richelieu, Canada. The production was allocated by mass, considering the total production of the CY2019 of the two plants.
- **For waste materials:** for waste occurring at Formica, landfill was considered as the waste treatment except for the recycling of raw papers. For the waste occurring outside of Formica’s operational control, the assumption made was 80% landfill and 20% incineration.

System boundaries

According to the PCR the entire life cycle is to be covered including all industrial processes from cradle-to-grave. A description of each stage is as follows:

- **Raw material acquisition and pre-processing into a countertop pre-form: t**his stage includes the extraction of materials from nature, processing required to create the raw materials used in countertop production (HPL and particleboard), and transportation of the materials to the construction stage.

- **Countertop construction:** this stage includes processing of raw materials into the final cut-to-size countertop, auxiliary materials and energy required. This stage also includes production and inbound transport of packaging materials.
- **Installation:** this stage includes transportation from the construction facility to the retailer, storage at the retailer and from the retailer to the end-customer.
- **Use and maintenance:** use stage includes product maintenance – typically daily cleaning with tap water and soap over the 10-year timeframe. No sealing or additional maintenance is needed.
- **Maintenance and repair:** maintenance and repair of the countertop is generally insignificant so was excluded from this study.
- **Health aspects:** Formica® Brand Laminates are compliant with GreenGuard Gold standards. Roseburg particleboard fulfill the requirements of EPA TSCA Title VI (40 CFR 770), CAN/CSA-0160-16, ANSI A208.1 and California Air Resources Board (CARB) Airborne Toxic Control Measures (ATCM) 93120.
- **End of life:** the end of life stage includes the transportation to the waste facility and the waste treatment of the countertop at his end of life.

Cut-off criteria

In the assessment, all available data from production process are considered, i.e. all raw materials used, utilized thermal energy, and electric power consumption using best available LCI datasets. Thus material and energy flows contributing less than 1% of mass or energy are considered. No cut-off criteria are applied in this study.

Data quality

Inventory data quality is judged by its precision (measured, calculated or estimated), completeness (e.g., unreported emissions), consistency (degree of uniformity of the methodology applied) and representativeness (geographical, temporal, and technological).

To cover these requirements and to ensure reliable results, first-hand manufacturing data in combination with consistent background LCA information from the Ecoinvent database 3.6. were used. The LCI datasets from the Ecoinvent database are widely distributed and used with the Simapro Software. The datasets have been used in LCA models worldwide in industrial and scientific applications in internal as well as in many critically reviewed and published studies.

Precision and completeness

- Precision: As the majority of the relevant foreground data are measured data or calculated based on primary information sources of the owner of the technology, precision is considered to be high. All background data are sourced from Ecoinvent databases.
- Completeness: Each foreground process was checked for mass balance and completeness of the emission inventory. No data were knowingly omitted. Completeness of foreground unit process data is considered to be high. All background data are sourced from Ecoinvent databases.

Consistency and reproducibility

- Consistency: To ensure data consistency, all primary data were collected with the same level of detail, while all background data were sourced from the Ecoinvent databases.
- Reproducibility: Reproducibility is supported as much as possible through the disclosure of input-output data, dataset choices, and modelling approaches in this report. Based on this information, any third party should be able to approximate the results of this study using the same data and modelling approaches.

Representativeness

- Temporal: All primary data were collected for a twelve-month period (calendar year 2019). All secondary data come from the Ecoinvent database. Temporal representativeness is considered to be fair.
- Geographical: All primary and secondary data were collected specific to North America coverage whenever possible. Geographical representativeness is considered to be fair.
- Technological: All primary and secondary data were modelled to be specific to the technologies under study. Where technology-specific data were unavailable, proxy data were used. Technological representativeness is considered to be good.

Software and database

The LCA model is created using the SimaPro Software (V.9.1.0.8). The Ecoinvent database (V.3.6) provides the life cycle inventory data for the raw and process materials obtained from the background system.

ENVIRONMENTAL PRODUCT DECLARATION

FORMICA® BRAND LAMINATE
HIGH PRESSURE LAMINATES

According to ISO 14025

References

(1) ISO 14044:2006. Environmental management. Life cycle assessment. Requirements and guidelines.

(2) NSF PCR for Residential Countertops, version September 2013 valid through 2021.

(3) ISO 14025:2006. Environmental labels and declarations — Type III environmental declarations — Principles and procedures.

(4) ANSI/NEMA LD 3 - 2005

(5) EPD Roseburg, Particleboard, Declaration Number 4786969381.101.1.

(6) EIA COMMERCIAL BUILDINGS ENERGY CONSUMPTION SURVEY (CBECS), 2012 data. https://www.eia.gov/consumption/commercial/data/2012/

(7) US EPA “Solid Waste Management and Greenhouse Gases: A Life-Cycle Assessment of emissions and sinks” document, page 111.

(8) US EPA Waste Reduction Model (WARM). http://www.epa.gov/climatechange/wycd/waste/calculators/Warm_home.html

(9) Intergovernmental Panel on Climate Change (IPCC). http://www.ipcc.ch

(10) EN 15804 +A2 Sustainability of construction works -Environmental product declarations – Core rules for the product category of construction products”.

(11) US EPA, Tool for the Reduction and the Assessment of Chemical and Other Environmental Impact (TRACI). http://www.epa.gov/nrmrl/std/sab/traci

(12) Simapro V.9.1.0.8. https://simapro.com/

(13) Ecoinvent version 3.6. https://www.ecoinvent.org/.

(14) EIA OHIO Grid generation 2019, https://www.eia.gov/state/?sid=OH

(15) Canada Energy Regulator (CER Quebec) Grid Generation 2018. https://www.cer-rec.gc.ca/en/data-analysis/energy-commodities/electricity/report/canadas-renewable-power/canadas-renewable-power/provinces/renewable-power-canada-quebec.html

(16) EPA GHG emissions factors (April 2021). https://www.epa.gov/sites/default/files/2021-04/documents/emission-factors_apr2021.pdf

(17) Shaw, Helen.Science House Student Projects. New York, NY: 2001, https://hypertextbook.com/facts/2005/VirginiaAllard.shtml#:~:text=Soap%2C%20particularly%20solid%20Ivory%20soap,of%200.932%20g%2Fcm3

(18) GreenGuard Gold standard for Chemical Emissions for Building Materials, Finishes and Furnishings. Certificate number : 1769-420. Certificate Period : 04/30/2007 – 10/28/2021

(19) EPA TSCA Title VI (40 CFR 770), CAN/CSA-0160-16, ANSI A208.1

(20) California Air Resources Board (CARB) Airborne Toxic Control Measures (ATCM) 93120

FSC Chain of Custody - Nicholson Cates

Preferred by Nature™

Preferred by Nature

FSC

Preferred by Nature - NEPCon OÜ hereby confirms that
the Chain of Custody and Controlled Wood system of

Nicholson and Cates Limited, Forest Products

3060 Mainway Drive, Suite 300
Burlington, Ontario L7M 1A3
Canada

has been assessed and certified as meeting the requirements of
FSC-STD-40-004 V3-0; FSC-STD-50-001 V2-0

The certificate is valid from 03-04-2017 to 02-04-2023
Certificate version date: 03-02-2022

Scope of certificate
Certificate type: Single (with multiple sites) Chain of Custody and Controlled Wood

Certificate registration code
NC-COC-002277
NC-CW-002277

FSC License Code
FSC-C013819

Justinas Janulaitis
Management board member
Filosoofi 31, Tartu
Estonia

Specific information regarding products and sites is listed in the appendix(es) of this certificate. The validity and exact scope covered by this certificate shall always be verified at www.info.fsc.org.

FSC® accredited certification body FSC® A000535 | The mark of responsible forestry | www.ic.fsc.org

This certificate itself does not constitute evidence that particular product supplied by the certificate holder is FSC® certified [or FSC Controlled Wood]. Products offered, shipped or sold by the certificate holder can only be considered covered by the scope of this certificate when the required FSC claim is clearly stated on invoices and shipping documents. The physical printed certificate remains the property of NEPCon OÜ and shall be returned upon request.

Annex A: Scope of Nicholson and Cates Limited, Forest Products FSC® Chain of Custody and Controlled Wood Certificate NC-COC-002277 NC-CW-002277

(The list below shows products handled by the network of Participating Sites)

Product Type	Trade Name	Output FSC Claims
P2.4	Specialty paper	FSC Mix Credit
P2.4	Specialty paper - Crossband and backer	FSC Controlled Wood
W4.3	Treated dimensional lumber, timber or plywood	FSC Mix Credit
W5	Lumber - Solid wood (sawn, chipped, sliced or peeled)	FSC 100%; FSC Mix Credit; FSC Controlled Wood
W6	Products from planing mill	FSC Mix Credit
W6.1	Dimensional lumber, finished	FSC Mix Credit
W7	Veneer	FSC Controlled Wood
W8.1	Plywood	FSC 100%; FSC Mix Credit; FSC Controlled Wood
W8.2	Particle board	FSC Mix Credit; FSC Controlled Wood
W8.3.2	MDF - Medium Density Fibre Board	FSC Mix Credit; FSC Controlled Wood
W9	Engineered wood products	FSC Mix; FSC Controlled Wood

This certificate itself does not constitute evidence that particular product supplied by the certificate holder is FSC® certified [or FSC Controlled Wood]. Products offered, shipped or sold by the certificate holder can only be considered covered by the scope of this certificate when the required FSC claim is clearly stated on invoices and shipping documents. The physical printed certificate remains the property of NEPCon OÜ and shall be returned upon request.

Certificate version date: 03-02-2022 Page 2 of 3

Annex B: Scope of Nicholson and Cates Limited, Forest Products FSC® Chain of Custody and Controlled Wood Certificate NC-COC-002277 NC-CW-002277

No	Site Name	Address	Sub-code
1	Nicholson and Cates Limited - Head Office	3060 Mainway Drive, Suite 300 Burlington Ontario L7M 1A3 Canada	---
2	Nicholson and Cates Limited - Distribution Centre	3060 Mainway Drive, Suite 300 Burlington Ontario L7M 1A3 Canada	---

This certificate itself does not constitute evidence that particular product supplied by the certificate holder is FSC® certified [or FSC Controlled Wood]. Products offered, shipped or sold by the certificate holder can only be considered covered by the scope of this certificate when the required FSC claim is clearly stated on invoices and shipping documents. The physical printed certificate remains the property of NEPCon OÜ and shall be returned upon request.

Certificate version date: 03-02-2022 Page 3 of 3

FSC Chain of Custody - Tafisa

Preferred by Nature™

Preferred by Nature

FSC

Preferred by Nature OÜ hereby confirms that
the Chain of Custody and Controlled Wood system of

Tafisa Canada

4660, rue Villeneuve
Lac-Mégantic, Québec G6B 2C3
Canada

has been assessed and certified as meeting the requirements of
FSC-STD-40-004 V3-0; FSC-STD-40-004 V3-1; FSC-STD-40-005 V3-1; FSC-STD-40-007 V2-0; FSC-STD-50-001 V2-0

The certificate is valid from Jul 26, 2022 to Jul 25, 2027
Certificate version date: Sep 20, 2022

Scope of certificate
Certificate type: Single Chain of Custody and Controlled Wood

Certificate registration code
NC-COC-003089 NC-CW-003089
RA-COC-003089 RA-CW-003089

FSC License Code
FSC-C006416

Justinas Janulaitis
Management board member
Filosoofi 31, Tartu
Estonia

Specific information regarding products and sites is listed in the appendix(es) of this certificate. The validity and exact scope covered by this certificate shall always be verified at www.info.fsc.org.

FSC® accredited certification body FSC® A000535 | The mark of responsible forestry | www.ic.fsc.org

This certificate itself does not constitute evidence that particular product supplied by the certificate holder is FSC® certified [or FSC Controlled Wood]. Products offered, shipped or sold by the certificate holder can only be considered covered by the scope of this certificate when the required FSC claim is clearly stated on invoices and shipping documents. The physical printed certificate remains the property of Preferred by Nature OÜ and shall be returned upon request.

Annex A: Scope of Tafisa Canada FSC® Chain of Custody and Controlled Wood Certificate
NC-COC-003089 NC-CW-003089
RA-COC-003089 RA-CW-003089

Product Type	Trade Name	Output FSC Claims
P2.4	Specialty Paper	FSC Controlled Wood
W3.1	Wood Chips	FSC Mix Credit; FSC Controlled Wood
W3.2	Sawdust	FSC Mix Credit; FSC Controlled Wood
W3.3	Wood shavings	FSC Mix Credit; FSC Controlled Wood
W3.4	Wood wool	FSC Mix Credit; FSC Controlled Wood
W8.2	Particleboard	FSC Mix Credit; FSC Controlled Wood
W8.2.1	Melamine particleboard	FSC Mix Credit; FSC Controlled Wood

This certificate itself does not constitute evidence that particular product supplied by the certificate holder is FSC® certified [or FSC Controlled Wood]. Products offered, shipped or sold by the certificate holder can only be considered covered by the scope of this certificate when the required FSC claim is clearly stated on invoices and shipping documents. The physical printed certificate remains the property of Preferred by Nature OÜ and shall be returned upon request.

Certificate version date: Sep 20, 2022 Page 2 of 2

FSC Chain of Custody - Panolam

NEPCon OÜ hereby confirms that the Chain of Custody and Controlled Wood system of

Panolam Industries International Inc.

1 Corporate Drive, Suite 725
Shelton, Connecticut 06484
United States

has been assessed and certified as meeting the requirements of
FSC-STD-40-003 V2-1; FSC-STD-40-004 V3-0; FSC-STD-40-005 V3-1; FSC-STD-40-007 V2-0

The certificate is valid from 28-04-2019 to 27-04-2024
Certificate version date: 26-04-2019

Scope of certificate
Certificate type: Multisite Chain of Custody and Controlled Wood

Certificate registration code
NC-COC-004037 NC-CW-004037
RA-COC-004037 RA-CW-004037

FSC License Code
FSC-C015851

Laura Terrall Kohler
Director, NEPCon Assurance
Filosoofi 31, Tartu
Estonia

Specific information regarding products and sites is listed in the appendix(es) of this certificate. The validity and exact scope covered by this certificate shall always be verified at www.info.fsc.org.

FSC® A000535 | The mark of responsible forestry | www.ic.fsc.org

This certificate itself does not constitute evidence that particular product supplied by the certificate holder is FSC® certified [or FSC Controlled Wood]. Products offered, shipped or sold by the certificate holder can only be considered covered by the scope of this certificate when the required FSC claim is clearly stated on invoices and shipping documents. The physical printed certificate remains the property of NEPCon OÜ and shall be returned upon request.

Annex A: Scope of Panolam Industries International Inc. FSC™ Chain of Custody and Controlled Wood Certificate NC-COC-004037 NC-CW-004037 RA-COC-004037 RA-CW-004037

(The list below shows products handled by the network of Participating Sites)

Product Type	Trade Name	Output FSC Claims
P2.4	Raw & Treated paper	FSC Mix Credit; FSC Controlled Wood
P3.4.1	High Pressure Laminate (HPL); FRL Laminate	FSC Mix Credit; FSC Controlled Wood
W8.2	Particleboard, Z-Core Particleboard	FSC 100%; FSC Mix Credit; FSC Controlled Wood
W8.2.1	Thermofused melamine panels	FSC 100%; FSC Mix Credit; FSC Controlled Wood

This certificate itself does not constitute evidence that particular product supplied by the certificate holder is FSC® certified [or FSC Controlled Wood]. Products offered, shipped or sold by the certificate holder can only be considered covered by the scope of this certificate when the required FSC claim is clearly stated on invoices and shipping documents. The physical printed certificate remains the property of NEPCon OÜ and shall be returned upon request.

Certificate version date: 26-04-2019 Page 2 of 3

Annex B: Scope of Panolam Industries International Inc. FSC™ Chain of Custody and Controlled Wood Certificate NC-COC-004037 NC-CW-004037 RA-COC-004037 RA-CW-004037

No	Site Name	Address	Sub-code
1	Panolam Industries International Inc. - Huntsville facility	Muskoka Rd. 3 PO Box 7500 61 Domtar Road P1H 2J7 Huntsville ONTARIO Canada	NC-COC-004037-1
2	Panolam Distribution Center - Carrollton, TX	1145 Crowley Drive 75006 Carrollton Texas United States	NC-COC-004037-10
3	Panolam Distribution Center - Shelton	710 Bridgeport Ave 06484 Shelton Connecticut United States	NC-COC-004037-11
4	Pioneer Plastics Corporation	1 Pionite Road 04210 Auburn Maine United States	NC-COC-004037-5
5	Panolam Distribution Center - Elkhart	25603 Borg Road 46514 Elkhart Indiana United States	NC-COC-004037-7
6	Panolam Distribution Center - Conyers	2107 Eastview Parkway, Ste 100 Conyers Georgia United States	NC-COC-004037-8
7	Panolam Distribution Center - Rancho Cucamonga	8535 Oakwood Pl., Ste A 91730 Rancho Cucamonga California United States	NC-COC-004037-9

This certificate itself does not constitute evidence that particular product supplied by the certificate holder is FSC® certified [or FSC Controlled Wood]. Products offered, shipped or sold by the certificate holder can only be considered covered by the scope of this certificate when the required FSC claim is clearly stated on invoices and shipping documents. The physical printed certificate remains the property of NEPCon OÜ and shall be returned upon request.

Certificate version date: 26-04-2019 Page 3 of 3

FSC Chain of Custody - Wanderosa

Preferred by Nature™

Preferred by Nature - NEPCon OÜ hereby confirms that
the Chain of Custody system of

Wanderosa Wood Products LP

150 Parr Boulevard
Bolton, Ontario L7E 4E6
Canada

has been assessed and certified as meeting the requirements of
FSC-STD-40-003 V2-1; FSC-STD-40-004 V3-1; FSC-STD-50-001 V2-0

The certificate is valid from 18-05-2022 to 17-05-2027
Certificate version date: 18-05-2022

Scope of certificate
Certificate type: Multisite (Common ownership) Chain of Custody

Certificate registration code
NC-COC-001389

FSC License Code
FSC-C003239

Justinas Janulaitis
Management board member
Filosoofi 31, Tartu
Estonia

Specific information regarding products and sites is listed in the appendix(es) of this certificate. The validity and exact scope covered by this certificate shall always be verified at www.info.fsc.org.

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This certificate itself does not constitute evidence that particular product supplied by the certificate holder is FSC® certified [or FSC Controlled Wood]. Products offered, shipped or sold by the certificate holder can only be considered covered by the scope of this certificate when the required FSC claim is clearly stated on invoices and shipping documents. The physical printed certificate remains the property of NEPCon OÜ and shall be returned upon request.

Annex A: Scope of Wanderosa Wood Products LP FSC® Chain of Custody Certificate NC-COC-001389

(The list below shows products handled by the network of Participating Sites)

Product Type	Trade Name	Output FSC Claims
N5.4	Bamboo Plywood	FSC 100%
P3.4.1	High Pressure Laminate	FSC Mix Credit
W8.1	Hardwood Plywood	FSC Mix x%; FSC Mix Credit
W8.2.1	Particleboard	FSC Mix Credit
W8.3.1	FSC Fibreboard	FSC Mix Credit
W8.3.2	FSC Fibreboard	FSC Mix Credit
W8.3.2	Slotwall	FSC Mix Credit
W9.8	Laminated board	FSC Mix Credit

This certificate itself does not constitute evidence that particular product supplied by the certificate holder is FSC® certified [or FSC Controlled Wood]. Products offered, shipped or sold by the certificate holder can only be considered covered by the scope of this certificate when the required FSC claim is clearly stated on invoices and shipping documents. The physical printed certificate remains the property of NEPCon OÜ and shall be returned upon request.

Certificate version date: 18-05-2022 Page 2 of 3

Annex B: Scope of Wanderosa Wood Products LP FSC® Chain of Custody Certificate NC-COC-001389

No	Site Name	Address	Sub-code
1	Wanderosa Wood Products LP - Bolton, Ontario	150 Parr Boulevard Bolton Ontario L7E 4E6 Canada	NC-COC-001389-1
2	White-Wood Distribution - Winnipeg	119 Plymouth St Winnipeg Manitoba Canada	NC-COC-001389-2
3	White-Wood Forest Products	130 Plymouth St Winnipeg Manitoba Canada	NC-COC-001389-3
4	Marco Products	130 Plymouth St Winnipeg Manitoba Canada	NC-COC-001389-4

This certificate itself does not constitute evidence that particular product supplied by the certificate holder is FSC® certified [or FSC Controlled Wood]. Products offered, shipped or sold by the certificate holder can only be considered covered by the scope of this certificate when the required FSC claim is clearly stated on invoices and shipping documents. The physical printed certificate remains the property of NEPCon OÜ and shall be returned upon request.

Certificate version date: 18-05-2022 Page 3 of 3

FSC Chain of Custody - Uniboard

Preferred by Nature™

Preferred by Nature

FSC

Preferred by Nature OÜ hereby confirms that
the Chain of Custody and Controlled Wood system of

Uniboard Canada Inc.

5555, rue Ernest-Cormier
Laval, Québec H7C 2S9
Canada

has been assessed and certified as meeting the requirements of
FSC-STD-40-003 V2-1; FSC-STD-40-004 V3-1; FSC-STD-40-005 V3-1; FSC-STD-40-007 V2-0; FSC-STD-50-001 V2-1 EN

The certificate is valid from December 02, 2022 to December 01, 2027
Certificate version date: December 02, 2022

Scope of certificate
Certificate type: Multisite (Common ownership) Chain of Custody and Controlled Wood

Certificate registration code
NC-COC-002726
NC-CW-002726

FSC License Code
FSC-C002807

Justinas Janulaitis
Management board member
Filosoofi 31, Tartu
Estonia

Specific information regarding products and sites is listed in the appendix(es) of this certificate. The validity and exact scope covered by this certificate shall always be verified at www.info.fsc.org.

FSC® accredited certification body FSC® A000535 | The mark of responsible forestry | www.ic.fsc.org

This certificate itself does not constitute evidence that particular product supplied by the certificate holder is FSC® certified [or FSC Controlled Wood]. Products offered, shipped or sold by the certificate holder can only be considered covered by the scope of this certificate when the required FSC claim is clearly stated on invoices and shipping documents. The physical printed certificate remains the property of Preferred by Nature OÜ and shall be returned upon request.

Annex A: Scope of Uniboard Canada Inc. FSC® Chain of Custody and Controlled Wood Certificate

NC-COC-002726 NC-CW-002726

(The list below shows products handled by the network of Participating Sites)

Product Type	Trade Name	Output FSC Claims
P2.4	RAW Specialty paper	FSC Controlled Wood
W8.2	Particleboard	FSC Mix Credit; FSC Controlled Wood
W8.2.1	Melamine Particleboard	FSC Mix Credit; FSC Controlled Wood
W8.3.1	High Density Fibreboard (HDF)	FSC Mix Credit; FSC Controlled Wood
W8.3.2	Medium Density Fibreboard (MDF) and Melamine Medium Density Fibreboard (MDF)	FSC Mix Credit; FSC Controlled Wood

Certificate version date: 02-12-2022

Annex B: Scope of Uniboard Canada Inc. FSC® Chain of Custody and Controlled Wood Certificate NC-COC-002726 NC-CW-002726

No	Site Name	Address	Sub-code
1	Uniboard Mont-Laurier inc.	845 rue Jean-Baptiste Reid Mont-Laurier Quebec J9L 3W3 Canada	NC-COC-002726-A
2	Uniboard Val d'Or inc.	2700, boul. Jean-Jacques Cossette Val-d'Or Quebec J9P 5G6 Canada	NC-COC-002726-B
3	Uniboard Sayabec	152, route Poulliot C.P. 340 Sayabec Quebec G0J 3K0 Canada	NC-COC-002726-C

This certificate itself does not constitute evidence that particular product supplied by the certificate holder is FSC® certified [or FSC Controlled Wood]. Products offered, shipped or sold by the certificate holder can only be considered covered by the scope of this certificate when the required FSC claim is clearly stated on invoices and shipping documents. The physical printed certificate remains the property of Preferred by Nature OÜ and shall be returned upon request.

Certificate version date: 02-12-2022 Page 3 of 3

FSC Chain of Custody - Wilsonart

SCS Global Services *does hereby certify that an independent audit has been completed and conformity to the applicable standard(s) has been confirmed for:*

Wilsonart LLC

2501 Wilsonart Drive, Temple, TX 76504, United States
Additional certified locations shall be listed in an addendum to this certificate.

This multi-site certificate covers the production of high-pressure laminates and backers using the credit system, the production of thermally fused laminate panels using the percentage system, and the distribution of melamine treated papers, untreated decorative papers, post-formed laminate countertop blanks, fabricated laminate countertops, and laminated panels using the transfer system. It also includes the sale of FSC Controlled Wood products.

The facility(s) are hereby Chain of Custody certified to sell products as:

FSC Controlled Wood; FSC Mix

The assessment has been conducted by SCS Global Services in accordance with the protocols of the Forest Stewardship Council® A.C. (FSC®).

FSC Standard: FSC-STD-40-003 V2-1; FSC-STD-40-004 V3-0; FSC-STD-50-001 V2-0

Certificate Code: SCS-COC-002415 Trademark License Code: FSC-C022201

CW Code: SCS-CW-002415

Valid from: 24 June 2019 Expiry date: 23 June 2024

FSC
www.fsc.org
FSC® A000521

The mark of responsible forestry

RESPONSIBLE FORESTRY CERTIFIED SCS GLOBAL SERVICES

SCSglobal SERVICES

Sarah Harris, Managing Director
SCS Global Services
2000 Powell Street, Ste. 600, Emeryville, CA 94608 USA

Printed: 21 Jun, 2019

FSC Chain of Custody - Formica

***SCS Global Services** does hereby certify that an independent audit has been completed and conformity to the applicable standard(s) has been confirmed for:*

Formica Corporation

10155 Reading Road, Cincinnati, OH 45241, United States
Please see addendum for additional certified locations.

This multi-site certificate covers the production and distribution of high pressure decorative laminates, metalized paperboard laminates, and specialty paper using the transfer, percentage, and credit systems. The certificate also covers the sale of FSC Controlled Wood.

The facility(s) are hereby Chain of Custody certified to sell products as:

FSC Controlled Wood; FSC Mix

The assessment has been conducted by SCS Global Services in accordance with the protocols of the Forest Stewardship Council® A.C. (FSC®).

FSC Standard: FSC-STD-40-003; FSC-STD-40-004

Certificate Code: SCS-COC-003270 Trademark License Code: FSC-C092610

CW Code: SCS-CW-003270

Valid from: 28 May 2021 Expiry date: 27 May 2026

FSC www.fsc.org FSC® A000521

The mark of responsible forestry

RESPONSIBLE FORESTRY CERTIFIED SCS GLOBAL SERVICES

SCSglobal SERVICES

Maggie Schwartz, Director, Chain of Custody
SCS Global Services
2000 Powell Street, Ste. 600, Emeryville, CA 94608 USA

Printed: 28 May, 2021

FSC Chain of Custody - Arauco

ECO-CERTIFIED COMPOSITE GRADEMARK CERTIFICATION PROGRAM

CERTIFICATE OF COMPLIANCE

Composite Panel Association
19465 Deerfield Ave, Suite 306, Leesburg, VA 20176

Hereby Affirms That

ARAUCO NORTH AMERICA
2550 OLD SALEM RD, ALBANY, OREGON 97321

Has Completed and Fulfilled the Requirements of:
CPA 4-19 Eco-Certified Composite (ECC) Standard,
California Air Resources Board (CARB) Airborne Toxic Control Measure (ATCM) 93120 and
Environmental Protection Agency (EPA) Toxic Substances Control Act (TSCA) Title VI

PRODUCT SCOPE
Particleboard

ECO-ATTRIBUTES
(To comply with the standard, at least 3 of the following are required)

- ☑ Carbon Footprint
- ☑ Locally Sourced Fiber
- ☑ Recycled, Recovered or Post-Consumer Fiber Content
- ☑ Sustainable Use of Wood Fiber
- ☑ Responsible Wood Sourcing

Mill ID #007
Issue Date: January 10, 2022
To verify continued certification, visit ECCproduct.org

Brian T. Sause
Director – Certification and Industry Affairs

Product Attributes

Environmental Attributes

Element	Features	Benefits
Thermofused Laminates/ High Pressure Laminates	TSCA Title 6 Compliant	Formaldehyde emissions no more than .009ppm resulting in ulta low VOC emissions.
Paint Application/Surface Coatings	Powder Coat Paint	Electrostatic/thermal application. Provides thick, even durable coating, which emits extremely low VOC's. Powder coating is free of heavy metals, and much of the overspray can be recaptured for recycling.
Steel Bases	High Recyled Content	Product supplied with Steel tubular bases come from input recycled sources of up to 85%.
Design For The Environment	Removable Components	Ability to replace worn or damaged components with out the need to re-order product.
	Preference For Recycled Material	Design team gives preference to materials that either contain high percentages of recycled material, or are capable of being recycled at end of life.
	Reversible	Many components may be field reversible making it possible to reverse handing or orientation.
Design For Durability	Metal To Metal	Designs include metal to metal fasteners improving performance and long term durability.
	Product Testing	Testing is performed on standard products to ensure compliance and long service life of products and components.
Packaging	Bulk Packaging	Bulk packaging methods consolodate mulitple finished goods on skids separated by only small amounts of cardboard material. The cardboard material used in the application is comprised of over 80% recycled material.

Anchorage (66") / Open House (54") 2335/2334

Cobalt 2045

Specifications

Contents
65% pre-consumer recycled polyester
35% post-consumer recycled polyester

Weight
2334 - 13.1 ± 1.0 oz./lin. yd.
2335 - 15.0 ± 1.0 oz./lin. yd.

Width
2334 - 54" min. useable
2335 - 66" min. useable

Repeat
none

Treatment
none

Backing
none

Cleaning Code

Standard Care Label W-S. Clean with water based cleaning agents, foam or pure, water free solvents. Vacuuming or light brushing is recommended to prevent dust and soil buildup.

Performance

Breaking Strength (ASTM D5034)
275 lbf min. warp and fill

Tear (ASTM D2261)
35 lbf min. warp and fill

Seam Slippage (ASTM D4034)
50 lbf min. warp and fill

Pilling resistance (ASTM D3511)
Class 4 min.

Colorfastness to light (AATCC 16.3 Option 3)
Grade 4 min. at 40 hours

Colorfastness to crocking (AATCC 8)
Grade 4 min. dry & Grade 3 min. wet

Wyzenbeek Abrasion resistance (ASTM D4157)
250,000 double rubs min. cotton duck

Flammability
CA Technical Bulletin 117-2013 Section 1
NFPA 260/UFAC Fabric Classification - Class I
ASTM E84 Class I or A

NRC of anechoic termination
1.00

Guilford of Maine

Miscellaneous

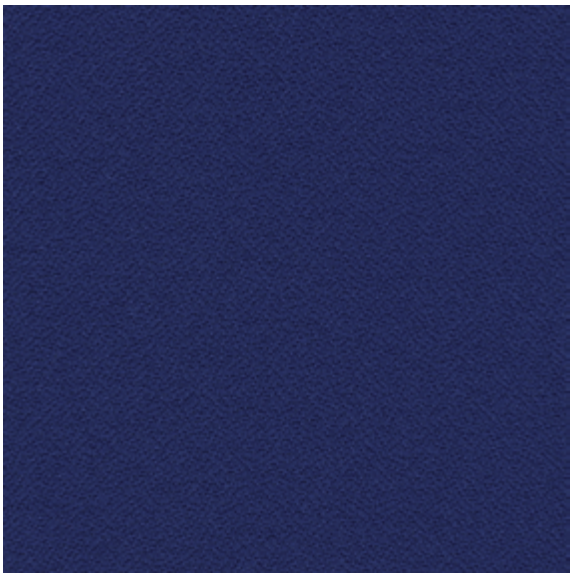
Every effort has been made to ensure color accuracy of the digital images, however, please order a sample before specification. Application testing of this product is recommended. This is a directional fabric.

Please specify when ordering whether 54" or 66" width is needed. Dye lots may vary. Differences may also occur between corresponding colors of Anchorage 2335 and Open House 2334.

Proudly woven in North America supporting our local communities.

Multiple factors affect fabric durability and appearance retention, including end-user application and proper maintenance. Wyzenbeek results above 100,000 double rubs have not been shown to be an indicator of increased lifespan.

* White not recommended for use as Upholstery.

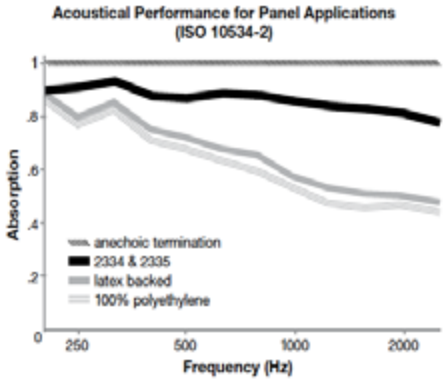


Terratex is a registered trademark of Duvaltex and designates fabrics that are made from 100% recycled or compostable material using increasingly sustainable manufacturing practices to produce a high quality product that is recyclable at the end of its useful life.

This pattern is included in the underwriters laboratory panel fabric recognition program. Additional testing of this U.L. recognized fabric is not required on approved panels from participating manufacturers.

NRC of fabric in front of anechoic termination
.85

The plot below summarizes impedance tube measurements of absorption of an anechoic termination and various fabrics in front of the anechoic termination.



Recycled Content - Steel

ArcelorMittal Dofasco Inc.
[illegible]

January 18, 2017

To Whom It May Concern:

Re: ArcelorMittal Dofasco Product Compliance with LEED® Green Building System Requirements
– Recycled Content and Regional Materials

The current versions of the LEED® (New Construction and Major Renovations) rating systems in Canada and the US state the basic intent, requirements and documentation submittals that are necessary to achieve each prerequisite and voluntary credit of a building project that is being considered for LEED® certification by the Canada (CaGBC) and US Green Building Councils (USGBC). Projects earn points toward certification by meeting or exceeding each credit's technical requirements. An important fact to note about the LEED® system is that most of the points require a coordinated approach by the design team of a project and cannot be achieved merely by using a specific material or technology.

To highlight our contribution toward the LEED® certification of a building project, we can confirm that building structures and components made from ArcelorMittal Dofasco flat rolled steel comply with the *Recycled Content and Regional Materials* credit requirements outlined under the *Materials and Resources* key performance category of the LEED® rating system. The details of these specific contributions are outlined below.

Recycled Content (Credit 4)

Recycled steel is an essential raw material for ArcelorMittal Dofasco steelmaking operations, but especially for our electric arc furnace (EAF) steelmaking stream, which uses >85% steel scrap. The sheet steel produced via EAF steelmaking is applied to a wide variety of building products, and uses an average of 27% pre-consumer scrap and 42% post-consumer scrap. These recycled content categories are defined in accordance with the terms of CAN/CSA-ISO 14021, and do not include "home scrap", which is internally generated scrap steel from steel processing operations.

Regional Materials (Credit 5)

ArcelorMittal Dofasco's steelmaking operations are located in Hamilton, Ontario, a scrap-rich region of Canada due to the large amount of auto part production, general manufacturing and metal processing that occurs in the area, as well as the high collection rates generated from municipal "blue box" recycling programs. We can confirm that the steel scrap used in our steelmaking operations is acquired from several recycling facilities located within 5 km of our Hamilton steel mill, which for the purpose of the LEED® green building program, is considered the raw material extraction point.

ArcelorMittal Dofasco Inc.
Flat Carbon Steel

For hot-dipped galvanized sheet steel shipped to customer locations in Quebec/Maritimes only:
Please note that pre-finished steel is shipped 500 km (310 miles) by road from our Hamilton, Ontario steelmaking operations to our galvanizing facility in Coteau-du-Lac, Quebec in order to receive final processing. This travel distance should be included in any regional material calculations. All other organic coated and metallic coated sheet steels for construction applications are produced at our galvanizing and coil coating lines in Hamilton.

To find out more about what ArcelorMittal Dofasco is doing in the area of environmental performance and sustainability in Canada, visit http://dofasco.arcelormittal.com/ .

Please feel free to contact me at 800-816-6333 ext. 6657 if you have any other questions regarding steel as a green building material in residential and commercial construction.

Sincerely,

Stan Lipkowski
Projects Manager, Construction and Manufacturing Products
Global R&D – Americas
Box 2460
1330 Burlington Street East
Hamilton, Ontario L8N 3J5
Canada
Tel (local): 905-548-7200 x6657
Toll free: 800-816-6333 x6657
stan.lipkowski@arcelormittal.com

UNIBOARD®

ENVIRONMENTAL DATA SHEET

Particleboard

Uniboard particleboard stands out from the competition, thanks to its specially bonded, top-quality wood fibers, its smooth surface and exceptional machining ease, making it the ideal choice for commercial and residential applications. Manufactured at our state-of-the-art facilities across North America, Uniboard particleboard is the perfect choice for designers, architects and manufacturers.

VALIDATED ECO-DECLARATION

Product's contribution to LEED® v4

PRODUCT SPECIFICATIONS

Reference
Particleboard

Final Manufacturing locations
Val-d'Or, Quebec J9P 5G6 CANADA
Sayabec, Quebec G0J 3K0 CANADA

Composition
Wood particles, resin, water, scavenger, catalyst, wax

ATTRIBUTES

Recycled content
Pre-consumer: 80% - 85%
Post-consumer: 0%

Regional content
The origin and extraction location of raw materials have been documented for 80% - 85% of the final product weight ratio.

FSC® Certification (When specified)	RA-COC-002726
Rapidly renewable materials	-
Biobased materials	-

ENVIRONMENTAL IMPACTS

Life Cycle Assessment	-
Product's carbon footprint	-

Environmental Product Declaration
Industry-wide (generic)
ISO 14025:2006, Type III (Nov.2013 to Nov.2018)

INGREDIENTS AND EMISSIONS

Declaration of chemical ingredients	1,000 ppm
Type of declaration	HPD® version 1.0 Health Product Declaration®
Emission test	-
VOCs	-
Formaldehyde	≤ 0.09 ppm
Others	CARB 93120 (Phase 2) Compliant

TECHNICAL PERFORMANCES

Performance tests
ANSI A208.1-2009 / ASTM E84

Expected life	-

MANUFACTURER'S ENVIRONMENTAL MANAGEMENT

ISO 14001 Certification	-
Extended Producer Responsibility (Take Back Program)	-
Corporate Sustainability Reporting (CSR: GRI, ISO 26000, BNQ 21000 or other)	-

CERTIFICATIONS AND CONFORMITY REPORTS

FSC

CARB 93120 Compliant

Uniboard Canada Inc. is a leading North American manufacturer of engineered wood products, with installed capacity of over 640 million square feet of raw particleboard, high-density and medium-density fiberboard, of which over 50% is converted into value-added melamine, laminated and engineered flooring products.

5555, Ernest Cormier Street, Laval, Quebec H7C 2S9 CANADA
www.uniboard.com

MasterFormat®: **06 42 00**
Validated Eco-Declaration:
VED16-1068-03
Original issue date: **2016/05**
Period of validity: **2016/05** to **2017/05**

VERTIMA VALIDATED ECO-DECLARATION

ENVIRONMENTAL DATA SHEET

PARTICLEBOARD

Uniboard uses premium quality wood fibers bonded with a high performance resin made in Quebec.. Its smooth, dense and non-porous surface makes it ideal for laminating and machining. Uniboard particleboard cuts easily and cleanly without chipping, a significant advantage that optimizes production time and minimizes waste.

ATTRIBUTES

RECYCLED CONTENT

Components	Weight ratio	Pre-consumer	Post-consumer
Wood particles	80% - 85%	100%	0%
Final product	**Weight ratio**	**Pre-consumer**	**Post-consumer**
Particleboard	100%	80% - 85%	0%

Validated Eco-Declaration - Recycled Content
Methodology: on-site audit, supply chain evaluation, analysis and validation of the recycled content data according to the weight ratio of each of the components used in manufacturing the final product.
Vertima's procedure: VERT-032008 –01, First Edition.

REGIONAL CONTENT

Weight ratio	Final manufacturing locations
100%	Sayabec, Quebec G0J 3K0 CANADA Val-d'Or, Quebec J9P 5G6 CANADA

Validated Eco-Declaration - Regional Content
Methodology: on-site audit, supply chain evaluation, analysis and validation of the regional content data according to the weight ratio of each of the components used in manufacturing the final product.
Vertima's procedure: VERT-032008–02, First Edition.

Product components	Weight ratio	Extraction locations	Tranportation
Wood particles	80% - 85%	Quebec, New-Brunswick and Ontario	Road
Urea Formaldehyde resin	7% - 8%	N/A	N/A
Water	5% - 6%	N/A	N/A
Others	2% - 5%	N/A	N/A

The extraction location has been documented for 80% - 85% of materials of the final product components, based on weight ratio.

Validated Eco-Declaration :
VED16-1068-03
Period of validity :
2016/05 to **2017/05**

ENVIRONMENTAL DATA SHEET

PARTICLEBOARD

ATTRIBUTES (CONTINUED)

REGIONAL CONTENT (CONTINUED)

1. HARVEST LOCATIONS OF WOOD PARTICLES: (Details available upon request)

Canada: Quebec, New-Brunswick and Ontario (Shipped by road to Uniboard Sayabec mill and to Uniboard Val d'Or mill)

Validated Eco-Declaration:
VED16-1068-03
Period of validity:
2016/05 to **2017/05**

ENVIRONMENTAL DATA SHEET

PARTICLEBOARD

ATTRIBUTES (CONTINUED)

FSC® CERTIFICATION

FSC®-Certified Particleboard (when specified)

Particleboard	% Wood component	% FSC®-Certified Wood	Total % FSC®-Certified wood used in the final assembly of the product versus the total weight of the wood components (based on weight ratio)
Wood particles	80% - 85%	80% - 85%	100%

Uniboard mills	Certification number	Type of certification	Period of validity
Val d'Or and Sayabec, Quebec CANADA	RA-COC-002726	Controlled wood, FSC Mix	2012/11/05 to 2017/11/05

Validated Eco-Declaration - FSC®-Certification
Methodology: on-site audit, supply chain evaluation and validation of FSC certification documents confirming the type of certification and calculation, based on FSC certified wood weight ratio in the final product.
Vertima's procedure: VERT-032008-03, First Edition.

INGREDIENTS ET EMISSIONS

ENVIRONMENTAL PRODUCT DECLARATION (EPD)

☑ Industry-wide (generic) ISO 14025:2006, Type III

In 2013, Uniboard collaborated to a life-cycle analysis to implement a generic Environmental Product Declaration for all production of Particleboard. This approach was carried out by the owner of the American Wood Council (AWC) and Canadian Wood Council (CWC) and audited by the UL Environment's Program Operator.

Product Category Rules (PCR)	FPInnovations: 2011. Product Category Rules (PCR) for preparing an Environmental Product Declaration for North American Structural and Architectural Wood Products, Version 1 (UN CPC 31, NAICS 321), November 8, 2011.

Functional unit	Scope of LCA	Expected life time	Valid until
1m³ of particleboard	Cradle-to-Gate	-	Nov. 2013 to Nov. 2018

Table 2: Cradle-to-Gate Impact Assessment Results - 1m³ North American Particleboard

Impacts Category	Unit	Per m³ of Particleboard Includes forestry operations
Global warning potential	kg $C0_2$ eq	315.30
Ozone depletion potential	kg CFC-11 eq	0.0000
Acidification potential	H+ moles eq	188.78
Smog creation potential	kg O_3 eq	35.54
Eutrophisation potential	kg N eq	0.1496
Total primary energy consumption	**Unit**	**Per m³ of Particleboard Includes forestry operations**
Non-renewable fossil	MJ	5987.91
Non-renewable nuclear	MJ	555.59

Source: EPD Report

The EPD includes Life Cycle Assessment (LCA) results for all processes up to the point that particleboard is packaged and ready for shipment at the manufacturing gate. The life cycle of particleboard includes the production of wood residues that are a coproduct of lumber milling. The cradle-to-gate product system thus includes forest management, logging, transportation of logs to lumber mills, sawing, transportation of wood residues to particleboard plants, and particleboard production.

Validated Eco-Declaration:
VED16-1068-03
Period of validity:
2016/05 to **2017/05**

ENVIRONMENTAL DATA SHEET

PARTICLEBOARD

INGREDIENTS ET EMISSIONS

DECLARATION OF CHEMICAL INGREDIENTS

Type of declaration: Health Product Declaration® (HPD®) version 1.0

Period of validity: March 2016 to March 2019

The content of Uniboard particleboard was assessed for health hazard warnings as required using Pharos[1]

Health Product Declaration® URL: https://builder.hpd-collaborative.org/uploads/files/hpds/1469/4118-20160610140147.pdf

Declaration: ☑ Self-declared ☐ Third Party

Ingredients inventory threshold: 1,000 ppm

Full disclosure of intentional ingredients: Yes

Full disclosure of known hazards: Yes

Hazards associated with the product ingredients

Contents in Descending Order of Quantity

Wood dust - unspecified, Formaldéhyde compounds, Urea formaldehyde based, WATER, UREA, Slack Wax (petroleum), AMMONIUM SULFATE, FORMALDEHYDE, PARAFFIN OIL

The HPD Standard is solely a declaration of product content and direct health hazards associated with exposure to its individual contents. It is not an assessment of risks associated with actual use of the product. It does not address the potential health impacts of substances used or created during manufacture that do not appear in the final product as residuals, nor substances created during combustion or other other degradation processes.

Highest concern *GreenScreen® scores*:: List Translator Benchmark 1[2]

- ☐ PBT (persitent, bioaccumulative Toxic)
- ■ Cancer
- ☐ Gene Mutation
- ☐ Development
- ☐ Reproductive
- ☐ Endocrine
- ■ Respiratory
- ☐ Neurotoxicity
- ■ Mammal
- ■ Skin or Eye
- ☐ Aquatic toxicity
- ☐ Land toxicity
- ☐ Physical hazard
- ☐ Global warming
- ☐ Ozone depletion
- ■ Multiple
- ☐ Unknown

[1]Pharos Project: Database that provides human and environmental health information of chemicals, materials and building products. (https://www.pharosproject.net).
[2]*Green Screen scores (GS)* Benchmarks of chemical ingredients: Benchmark 1 (Avoid, chemical of high concern), Benchmark 2 (Use but search for safer substitutes), Benchmark 3 (Use but still opportunity for improvement), Benchmark 4 (Prefer, safer chemical).

TABLE OF INGREDIENTS

Name	Role	CAS	Weight Ratio	GreenScreen	Note(s) (for more details refer to the HPD®)
Particles wood	Main component	-	80% - 85%	-	-
UF resin	Resin	-	7% - 8%	-	-
Water	Humidity	7732-18-5	5% - 6%	Benchmark 4	-
Urea	Scavenger	57-13-6	1% - 3%	LT-U[1]	-
Slack Wax	Wax	64742-61-6	0% - 0.5%	LT-1	-
Ammonium sulfate	Catalyst	7783-20-2	0% - 0.2%	LT-U	-
Formaldehyde	Monomer	50-00-0	Residual	LT-1	-
Parafin oil	Monomer	8012-95-1	Residual	LT-P1	-

[1]*GS List Translator (LT)* scores of chemical ingredients: LT-1, likely GS Benchmark 1; LT-P1, possible GS Benchmark 1; U-LT or LT-UNK, present on a GS Specified Lists but there is insufficient information to classify the hazard as LT-1 or LT-P1 (does not mean the chemical is safe).

Validated Eco-Declaration—Declaration of Chemical ingredients
Methodology: validation of the documentation confirming the methodology and reporting of chemical ingredients.
Vertima's procedure: VERT-032009-01, First Edition.

Validated Eco-Declaration:
VED16-1068-03
Period of validity:
2016/05 to **2017/05**

ENVIRONMENTAL DATA SHEET

PARTICLEBOARD

TECHNICAL PERFORMANCES

PERFORMANCE TESTS

Non-exhaustive list. See particleboard product specifications sheet.

- Particleboard Standard ANSI A208.1-2009;
- Flame Spread Index: Class 3 or C ULC 723-10 (ASTM E84);
- Formaldehyde emissions test: Phase 2 of CARB ATCM 93120.

EXPECTED LIFE

-

Warranty

Lifetime warranty when particleboard panels are used for the purpose for which they have been designed, that is to say for indoor use.

MANUFACTURER'S ENVIRONMENTAL MANAGEMENT

COMPANY'S COMMITMENT

As one of the North America's leading producers of engineered wood, Uniboard is convinced that operating a profitable business and maintaining a responsible approach to resources are by no means contradictory aims, but that they are actually mutually beneficial. For Uniboard, environmental protection goes beyond a voluntary commitment and is one of the keystones supporting its corporate strategy.

Uniboard environmental strategy is therefore based on three pillars, which also represent specific areas for action:

Organization: Continuous improvement and transparency of processes through management systems.

Production: Continuous improvement of production processes in order to further reduce our consumption of energy and raw materials while maintaining the high quality of our products.

Products: Concentration of research and development work on fiber residues, lighter density engineered wood and new resin systems are just a few of the initiatives we are constantly engaged in.

Validated Eco-Declaration:
VED16-1068-03
Period of validity:
2016/05 to **2017/05**

ENVIRONMENTAL DATA SHEET

PARTICLEBOARD

PRODUCT CONTRIBUTION SUMMARY

LEED® v4 requirements for Building Design + Construction (BD+C)

New Construction, Core and Shell, School, Retail, Data Centers, Warehouse and Distribution Centers, Hospitality and Healthcare.

LEED® v4 requirements for Interior Design + Construction (ID+C)

Commercial Interiors, Retail and Hospitality.

MATERIALS AND RESOURCES		POINTS	PRODUCT CONTRIBUTIONS
MR	**Building Product Disclosure and Optimization —Environmental Product Declarations** Option 1: Particleboard contributes to this credit due to the availability of a Industry-wide (generic) EPD (type III) and is valued as 1/2 whole product out of the 20 needed for purposes of credit achievement calculation.	**1** point	**ENVIRONMENTAL IMPACTS** Industry-wide (generic) EPD, Type III
MR	**Building Product Disclosure and Optimization —Sourcing of Raw Materials** Option 2: Leadership extraction practices May also contribute to the location valuation factor if the product is sourced (extracted, manufactured, purchased) within 160 km of the project site.	**1** point	**ATTRIBUTES** Recycled Content pre-consumer (80% - 85%) and FSC®-Certified (100%) (When specified)
MR	**Building Product Disclosure and Optimization —Material Ingredients** Option 1: Material ingredients reporting	**1** point	**INGREDIENTS AND EMISSIONS** HPD® version 1.0 Health Product Declaration®

INDOOR ENVIRONMENTAL QUALITY		POINTS	PRODUCT CONTRIBUTIONS
EQ	**Low-Emitting Material** Option 1: Product category calculation	**Do not contribute**[1]	**INGREDIENTS AND EMISSIONS** [1]CARB Phase 2 compliant but must be CARB NAF or ULEF compliant to contribute to credit requirements

LEED® v4 requirements for homes

Applies to single family homes, low-rise multi-family (one to three stories), or mid-rise multi-family (four to six stories); includes Homes and Multifamily Lowrise and Multifamily Midrise.

MATERIALS AND RESOURCES		POINTS	PRODUCT CONTRIBUTIONS
MR Prereq1	**Certified Tropical Wood**	**Prerequisite**	**ATTRIBUTES** Uniboard's product do not contain tropical species
MR Credit 2	**Environmentally Preferable Products** Option 2: Environmentally Preferable Products [2]At least 90% of all materials in each category must meet credit requirements. Particleboard contributes to 0.5 point for FSC®-Certified and to 0.5 point for Recycled Content.	**1** point[2]	**ATTRIBUTES** Recycled Content pre-consumer (80% - 85%) and FSC®-Certified (100%) (When specified)

INDOOR ENVIRONMENTAL QUALITY		POINTS	PRODUCT CONTRIBUTIONS
EQ Credit 7	**Low-Emitting Products** At least 90% of all materials in each category must meet credit requirements. .	**Do not contribute**[3]	**INGREDIENTS AND EMISSIONS** [3]CARB Phase 2 compliant but must be CARB NAF or ULEF compliant to contribute to credit requirements

It is important to consider that the total amount of possible points reflects the number of achievable points in each credit category. The product itself cannot achieve this score, as defined above, but is considered as a beneficial element in order to achieve LEED® credits.

The data included in this Environmental Data Sheet has been provided by the client and the suppliers, who are responsible for its veracity and the integrity. Vertima follows a rigorous protocol, including an on-site audit of the factory, an audit of the manufacturer's supply chain documentation, and the analysis and validation of all supporting documents. However, Vertima cannot be held responsible for false or misleading information that may cause any loss or damage suffered, in all or in part, caused by errors and omissions relative to the data collection, compilation and/or interpretation. The analysis protocol used by Vertima is available upon request.

Validated Eco-Declaration:
VED16-1068-03
Period of validity:
2016/05 to **2017/05**

Recycled Content - HP Laminates

SCS Global Services *does hereby certify that an independent assessment has been conducted on behalf of:*

Wilsonart LLC

10501 NW H.K. Dodgen Loop, Temple, TX, United States

For the following product(s):

HIGH PRESSURE DECORATIVE LAMINATES:

Wilsonart® Laminate, High Pressure Decorative Laminate, Types: 335 and 735

MINIMUM 34% RECYCLED CONTENT
POST-CONSUMER

The product(s) meet(s) all of the necessary qualifications to be certified for the following claim(s):

SCS RECYCLED CONTENT CERTIFIED

Conforms to SCS Recycled Content Standard V7-0 for a **Minimum 34% Post-Consumer Recycled Wood Fiber Content.** The material quantification and mass-balance calculations are completed on a dry-weight basis.

Registration # SCS-MC-02028
Valid from: August 1, 2018 to July 31, 2019

Stanley Mathuram, PE, Vice President

2000 Powell Street, Ste. 600, Emeryville, CA 94608 USA

Recycled Content - Cardboard

Certificat(e) SGSNA-COC-000383

L'organisation
The Organization

Tencorr Packaging Inc.

6 Shaftsbury Lane
Brampton, ON L6T 3X7, Canada

a été évalué et enregistré selon les exigences de la norme
has been assessed and certified as meeting the requirements of

FSC® Chain-of-Custody

a été évalué et enregistré selon les exigences de la norme:
The company was assessed against the following standards:
FSC-STD-40-004 Version 3.0 FSC Standard for Chain of Custody Certification – April 2017
FSC-STD-50-001 Requirements for use of the FSC trademarks by Certificate Holders

La portée d'enregistrement est présentée ci-dessous:
for the products detailed in the scope below:

Purchase of FSC 100%, FSC Mix, and FSC Recycled paper for the conversion, sale, and delivery of FSC 100%, FSC Mix, and FSC Recycled corrugate paper using the transfer system.

Ce certificat est valide du 24 décembre 2018 au 23 décembre 2023
et demeurera valide sous réserve du bon maintien des audits de surveillance.
L'audit de renouvellement est dû au minimum 60 jours avant la date d'échéance.
Édition 3: 3 décembre 2018. Enregistrée depuis décembre 2013.
This certificate is valid from 24 December 2018 until 23 December 2023
and remains valid subject to satisfactory surveillance audits.
Recertification audit due a minimum of 60 days before the expiration date.
Issue 3: 3 December 2018. Certified since December 2013.
SGS Ref # CA14/407716

Les détails des sites additionnels sont énumérés sur la page suivante.
Additional site details are listed on the subsequent page.
Autorisé par/Authorized by:

Ralph McLouth
Vice President of Accreditation, North America
SGS North America, Inc.
201 Route 17 North, Rutherford, NJ 07070, USA
t (201) 508-3000 f (201) 935-4555 www.us.sgs.com

FSC
www.fsc.org
FSC® A000524

The mark of responsible forestry

La validité de ce certificat sera vérifiée au
Pour la liste complète des groupes de produits couverts par le certificat voyez
This certificate itself does not constitute evidence that particular product supplied by the certificate holder is FSC-certified (or FSC controlled Wood). Products offered, shipped or sold by the certificate holder can only be considered covered by the scope of this certificate when the required FSC claim is clearly stated on the invoice and shipping documents. Le certificat demeure la propriété de SGS. Les certificats et toutes les copies ou reproductions doivent être retournés ou détruits si demandés par SGS
The validity of this certificate shall be verified on
For the full list of product groups covered by the certificate see
This certificate itself does not constitute evidence that a particular product supplied by the certificate holder is FSC-certified (or FSC Controlled Wood). Products offered, shipped or sold by the certificate holder can only be considered covered by the scope of this certificate when the required FSC claim is clearly stated on sales and delivery documents. The certificate remains the property of SGS. The certificates and all copies or reproductions shall be returned or destroyed if requested by SGS
Page 1 de 2 / Page 1 of 2

Certificat(e) SGSNA-COC-000383,continued

Tencorr Packaging Inc.

FSC® Chain-of-Custody

Édition 3: 3 décembre 2018
Issue 3: 3 December 2018

Portée détaillée:
Detailed scope:

Purchase of FSC 100%, FSC Mix, and FSC Recycled paper for the conversion, sale, and delivery of FSC 100%, FSC Mix, and FSC Recycled corrugate paper using the transfer system.

es produits et procédés couverts sont effectués par le réseau de sites, et pas nécessairement par chacun d'eux.
The covered products and processes are performed by the network of sites, and not necessarily by each of them.

Les sites additionnels:
Additional facilities:

1135 Courtneypark Drive East, Mississauga, ON L5T 1S5, Canada

FSC
www.fsc.org
FSC® A000524

The mark of responsible forestry

LEED

melamine

NEW

Setting the standard… in sustainability

Uniboard® melamine is not only refined in appearance and elegant in tone, it also encompasses the essence of sustainability in all of its product offerings. Manufactured using 100% recycled and recovered wood fiber (pre-consumer), all Uniboard® panels save trees and avoid landfills.

For a greener solution, choose a core from our extensive NU Green® collection. Using NU Green® panels can help you achieve up to six LEED® (Leadership in Energy & Environmental Design) points on your building projects.

NU GREEN® MR50
NAF - MDF

NU GREEN® 2
NAUF - MDF

NU GREEN® zero
NAUF / ULEF - Particleboard

NU GREEN® 2
NAUF - Particleboard

- Meets or exceeds CARB Phase 2 standards
- FSC® certified
- ECC™ certified
- Made from 100% recycled and recovered wood fiber (pre-consumer)
- Can help you achieve up to 6 LEED® points

FSC www.fsc.org FSC® C002807 The mark of responsible forestry

SUSTAINABLE USE OF WOOD FIBER Mat'ls Composite Panel Assn Standard 4-11 ECO-CERTIFIED ECCproduct.org

CARB COMPLIANT

Due to the resin binding system used to manufacture NU Green® panels; cutting, drilling, routing and glueing procedures may differ from those used with standard panels.
Although generally unproblematic, we recommend that you test NU Green® panels prior to full-scale production.
For further details, please consult the NU Green® section of our website at www.uniboard.com.

LEED Information - Uniboard Laminates

Continued

Setting
the standard

Uniboard® thermofused melamine panels can potentially contribute to achieving Leadership in Energy & Environmental Design (LEED®)

Category	Intention	Requirements	Credits & points	Obtain up to 5 LEED® points Particleboard, MDF & Melamine panels	Obtain up to 6 LEED® points NU Green® collection
INDOOR ENVIRONMENTAL QUALITY IEQ 4.4	Improve indoor air quality.	Composite wood products must contain no added urea formaldehyde resins.	1 point	N/A	NU Green® panels use no urea formaldehyde resins during the manufacturing process.
MATERIALS AND RESOURCES MR 4.1	Increase the use of products that incorporate recycled content material.	Sum of recycled content constitutes at least 10% of materials in the project.	1 point	Uniboard® particleboard, MDF and melamine is ECC™ certified, 100% recycled and recovered wood fiber (pre-consumer).	NU Green® panels are ECC™ certified, 100% recycled and recovered wood fiber (pre-consumer).
MATERIALS AND RESOURCES MR 4.2	Increase the use of products that incorporate recycled content material.	Sum of recycled content constitutes at least 20% of materials in the project.	1 point in addition to MR 4.1	Uniboard® particleboard, MDF and melamine is ECC™ certified, 100% recycled and recovered wood fiber (pre-consumer).	NU Green® panels are ECC™ certified, 100% recycled and recovered wood fiber (pre-consumer).
MATERIALS AND RESOURCES MR 5.1	Increase the use of materials that are extracted and manufactured within the project region.	Use a minimum of 20% of the combined value of construction materials and products manufactured within a 500-mile radius of the project.	1 point	Uniboard® particleboard, MDF and melamine is manufactured at various sites across Canada and may contribute to points based on the proximity of the project.	NU Green® panels are manufactured at our various sites in Canada and may contribute to points based on the proximity of the project.
MATERIALS AND RESOURCES MR 5.2	Increase the use of materials that are extracted and manufactured within the project region.	In addition to requirements of MR 5.1, use a minimum of 10% of the combined value of construction materials and products extracted, harvested or recovered, as well as manufactured within a 500-mile radius of the project.	1 point	Uniboard® particleboard, MDF and melamine uses wood fiber recovered locally from sources near our manufacturing facilities and may contribute to points based on the proximity of the project.	NU Green® panels use wood fiber recovered locally from sources near our manufacturing facilities and may contribute to points based on the proximity of the project.
MATERIALS AND RESOURCES MR 7	Encourage environmentally responsible forest management.	Use a minimum of 50% of wood-based and products that are Forest Stewardship Council® (FSC®) certified for building components. These components include, but are not limited to, structural framing and general dimensional framing, flooring, sub-flooring, wood doors and finishes. Only include materials permanently installed in the project. Furniture may be included, providing it is included consistently in MR Credits 3-7.	1 point	Uniboard® particleboard, MDF and melamine is FSC® certified.	NU Green® panels are FSC® certified.

Une société du groupe / A company of the group SONAE INDUSTRIA

LEED
Leadership in Energy and Environmental Design

This document briefly explains the LEED program and how Tafisa's particleboard Tafipan® and melamine panels Tafilam® (and their EVOLO versions) can help you obtain LEED credits.

LEED is an internationally recognized green building certification system, providing third-party verification that a building or community was designed and built using strategies aimed at improving performance across all the metrics that matter most: energy savings, water efficiency, CO_2 emissions reduction, improved indoor environmental quality, and stewardship of resources and sensitivity to their impacts.

Developed by the U.S. Green Building Council (USGBC), LEED provides project managers and builders with a concise framework for identifying and implementing practical and measurable green building design, construction, operation and maintenance solutions.

This certification supports a whole-building approach to sustainability by recognizing high standard performance in the following categories:

- Sustainable Site Development (SS)
- Water Efficiency (WE)
- Energy & Atmosphere (EA)
- Materials & Resources (MR)
- Indoor Environmental Quality (IEQ)
- Locations & Linkages (LL)
- Awareness & Education (AE)
- Innovation in Design (ID)
- Regional Priority (RP)

To be awarded a LEED certification, a building project must be granted a minimum number of credits from an independent audit through the independent Green Building Certification Institute (GBCI.org) which classifies its rating as certified, silver, gold or platinum.

The Canadian division of the Green Building Council (CAGBC) promotes the LEED certification program but with a few minor adaptations that take into account Canadian climates, construction practices and regulations. Make sure to use the right version (U.S. or Canadian) depending on the location of your project.

Total possible credits using Tafisa's panel	**maximum 6 points**
Total credits attainable	100 base points; 6 points ID; 4 points RP
Credits required to be LEED Certified	40 – 49 points
Credits required to achieve LEED Silver	50 – 59 points
Credits required to achieve LEED Gold	60 – 79 points
Credits required to achieve LEED Platinum	80 points and more

Note that the information in this text is based on the following LEED documentation:

- *USA - LEED, New Construction & Major Renovation, version 2009.*
- *Canada - LEED® CANADA POUR LES NOUVELLES CONSTRUCTIONS ET LES RÉNOVATIONS IMPORTANTES, version 2009*
- *U.S. Green Building Council website (usgbc.org)*
- *Conseil du bâtiment durable du Canada website (cagbc.org)*

April 20, 2018

TAFIPAN®
TAFILAM®

TAFISA

Une société du groupe / A company of the group
SONAE INDUSTRIA

OBTAIN UP TO 6 LEED POINTS

TAFIPAN® particleboards and TAFILAM® melamine panels and their "EVOLO" versions can help you obtain points for your LEED certification (Leadership in energy and environmental design)

CATEGORIES	INTENT	REQUIREMENTS	POINTS	PARTICLEBOARD TAFIPAN® AND MELAMINE TAFILAM®
MATERIALS AND RESSOURCES MR Credit 4: RECYCLED CONTENT	Reduce impacts resulting from extraction and processing of virgin materials.	Use materials with recycled content such that the sum of postconsumer recycled content plus 1/2 of the post-consumer content constitutes at least 10% or 20%, based on cost, of the total value of the materials in the project.	At least 10% 1 point At least 20% 2 points	Urban/post-consumer recycled wood fibers: 30% Recovered/post-industrial recycled wood fibers: 70%
MATERIALS AND RESSOURCES MR Credit 5: REGIONAL MATERIALS	Support the use of indigenous resources and reduce the environmental impacts resulting from transportation.	Use building materials or products that have been extracted, harvested or recovered, as well as manufactured, within 500 miles (800 km) (2400 km for train shipments *(in the Canadian version only)*) of the project site for a minimum of 20% or 30%, based on cost, of the total materials value.	At least 20 % 1point At least 30 % 2 points (10% and 20% for the U.S. version)	All fibers used in Tafisa panels are locally-sourced from post-industrial and post-consumer wood recycling plants within an average of 220 km. All Tafisa panels are manufactured locally. Take a look at the map to see if your project is located within 500 miles of Tafisa's plant.
MATERIALS AND RESSOURCES MR Credit 7: CERTIFIED WOOD	To encourage environmentally responsible forest management.	Use a minimum of 50% (based on cost) of wood-based materials and products that are certified in accordance with the Forest Stewardship Council's principles and criteria, for wood building components.	1 point	Recovered and recycled post-industrial wood residues are used, which helps to stretch forest resources. Solid chain-of-custody wood fiber supply practices have also enabled Tafisa to secure the Forest Stewardship Council (FSC) Mixed Sources accreditation (SW-COC-003089). ***You have to specify "FSC panels" when placing your order. Please note that our EVOLO boards are automatically FSC certified.***
INDOOR ENVIRONMENTAL QUALITY, IEQ - Credit 4.4: LOW-EMITTING MATERIALS—COMPOSITE WOOD AND AGRIFIBER PRODUCTS	To reduce the quantity of indoor air contaminants, which are odorous, irritating and/or harmful to the comfort and well-being of installers and occupants.	Composite wood and agrifiber products used for the interior of the building (i.e., inside the weatherproofing system) must contain no added urea-formaldehyde resins.	**1 point**	CARB ULEF Tafipan-Evolo™ panels ensure reduced VOC emission. CARB Executive N-18-169.

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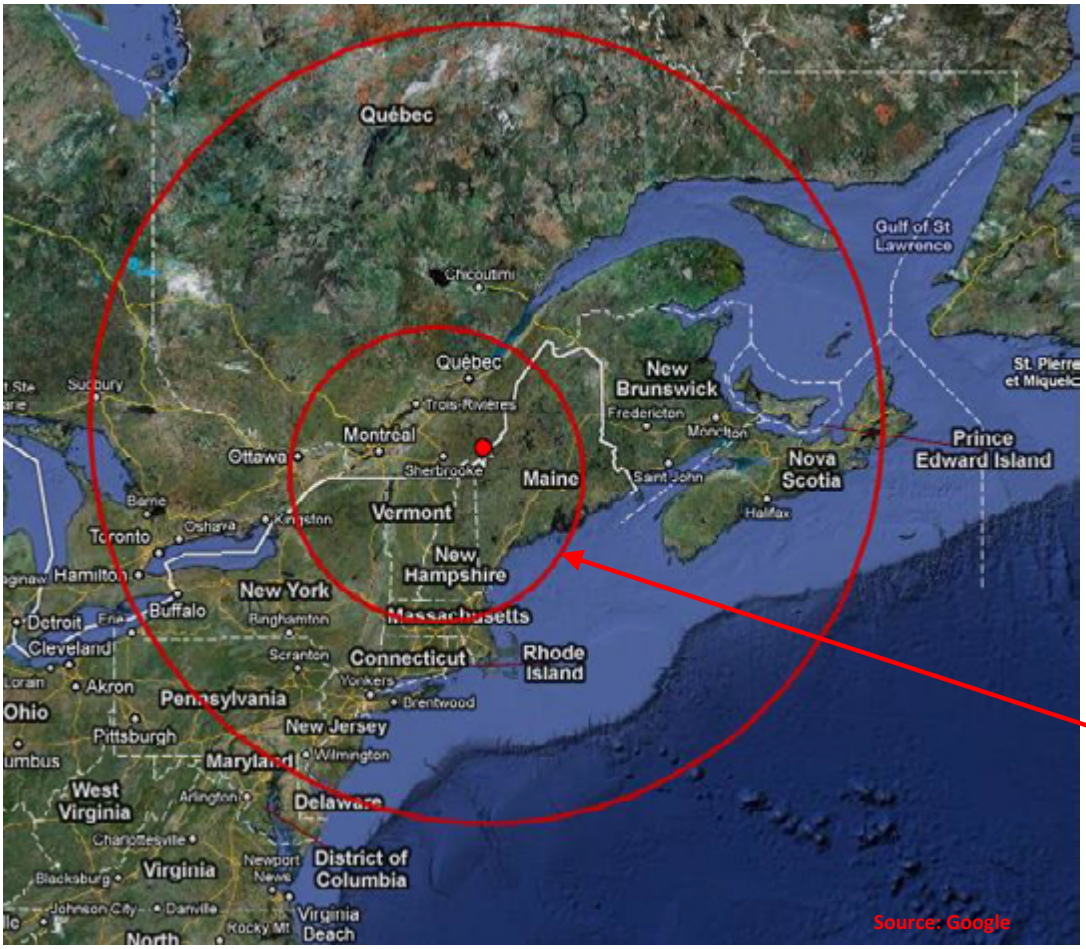
LEED Information - Tafisa Laminates

Continued



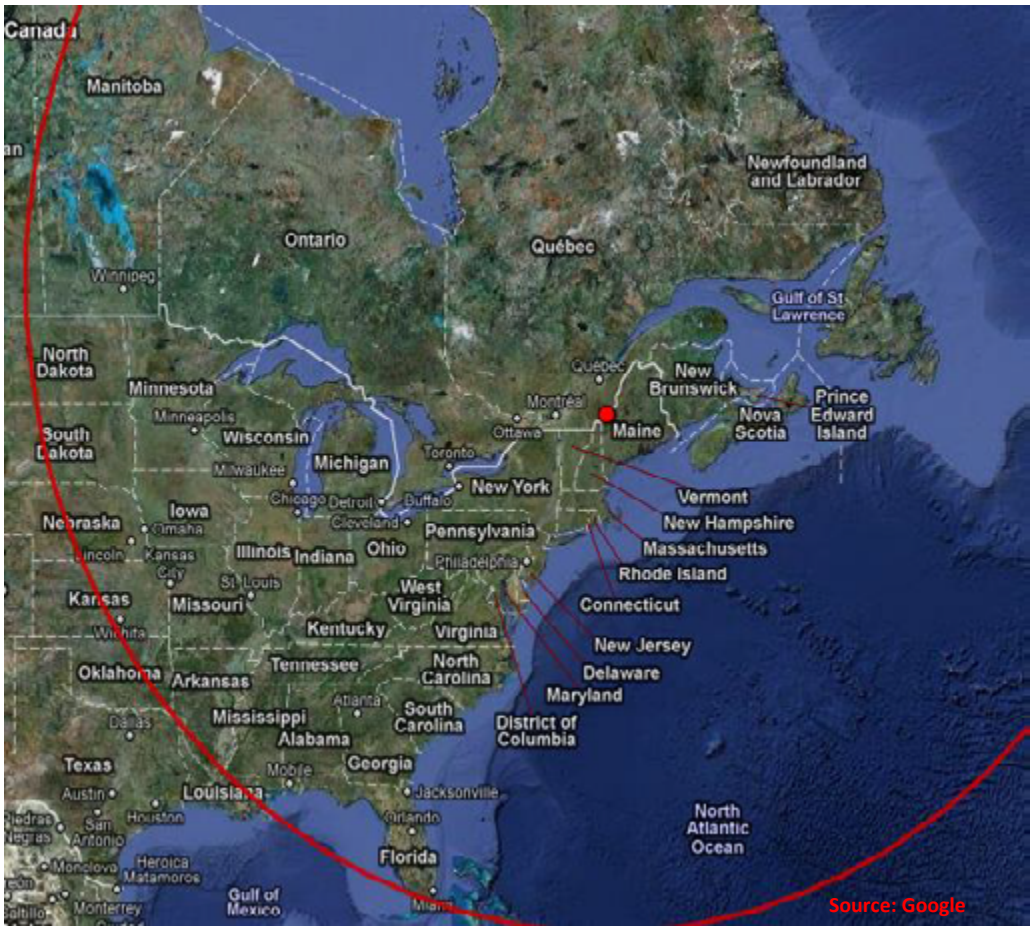
CITIES WITHIN A 500 mile (800 km) RADIUS	NB km
Montreal	209
Portland, Maine	220
Chicoutimi, Quebec	317
Boston, Massachusetts	360
Ottawa, Ontario	377
Moncton, N-B	476
Chibougamau, Quebec	545
Halifax, Nova Scotia	584
Val d'Or. Quebec	596
New York	599
Rochester, N-Y	600
Gaspe, Quebec	609
Rouyn-Noranda, Quebec	685
Philadelphia, Pennsylvania	718
Sudbury, Ontario	789

Tafisa's supply radius

April 20, 2018

LEED Information - Tafisa Laminates

Continued



PROVINCES WITHIN A 1500 mile (2400 km) RADIUS *for train shipments (Canadian version only)*
Quebec
Ontario
New Brunswick
Prince Edward Island
Nova Scotia
Newfoundland
Eastern, central and southern part of Manitoba

April 20, 2018

Social Responsibility

Employee Health & Safety Management

BRC is committed to the health and safety of all employees, contractors and visitors who are working for, or are visiting its facility. As such, its goal is to have a zero accident rate. It believes that all accidents are preventable, and with appropriate training, orientation, and health and safety programs, as well as regulatory compliance. The health and safety policy is reviewed by the Joint Health and Safety Committee annually as are other health and safety policies when and as required. The health and safety policy is posted on the employee communication board, and it is also available on the common network drive for employee access. Further information can be obtained through a department manager.

Report

Part of its commitment to the health and safety of employees, contractors and visitors involves continuous improvement. BRC outlined several opportunities for improvement which it has implemented. The improvements include a new evacuation plan, which included shelter in place emergencies previously not covered by the plan. This need was determined in conjunction with local businesses which communicated a significant hazard and helped to outline some general guidelines for emergency response. Along with this procedure update opportunities for improvement were also identified with in the Workplace Violence and Harassment program. The revised Workplace Violence and Harassment program improves some of the policy language and better outlines the reporting portion of the program.
Other Health and Safety initiatives include:

- WHMIS Train the trainer / Training / GHS update
- Forklift Recertification's

For the 2018 year BRC recorded an injury rate of 4.4%. While this rate is below the industry incidents rate, BRC strives to improve upon the injury rate for the 2019 year. Our goal for 2019 is to achieve a rate to under 3%. BRC believes this is possible through our continuous improvement initiatives and employee training and awareness.

Labour & Human Rights

BRC is committed to respect the basic human rights of its employees and associates. BRC commits to providing decent work hours, wages, conditions as well as upholding all regulatory requirements related to forced, compulsory or child labour.

Report

BRC has worked to improve several aspects of labour and human rights within the facility but also worked to extend the reach to our supply chain. In 2018/2019 BRC requested declarations from our vendors to acknowledge conformity to key areas of social responsibility including Labour and human rights, working conditions, maintaining workplaces that are free of discrimination and harassment, as well as fairness, environmental commitments and absence of child labour. BRC has received 100% of the requested declarations and will continue to hold future supply chain partners accountable to the same principles.

BRC has reviewed many of its internal policies and procedures for continuous improvement and has outlined several opportunities. BRC has updated copies of the Ontario employment standards, which have been posted for employee reference. In addition to this, Human Resources has implemented a new policy for hiring that ensures age is verified by each individual using several pieces of government issued identification to ensure validity of information.

Inclusiveness

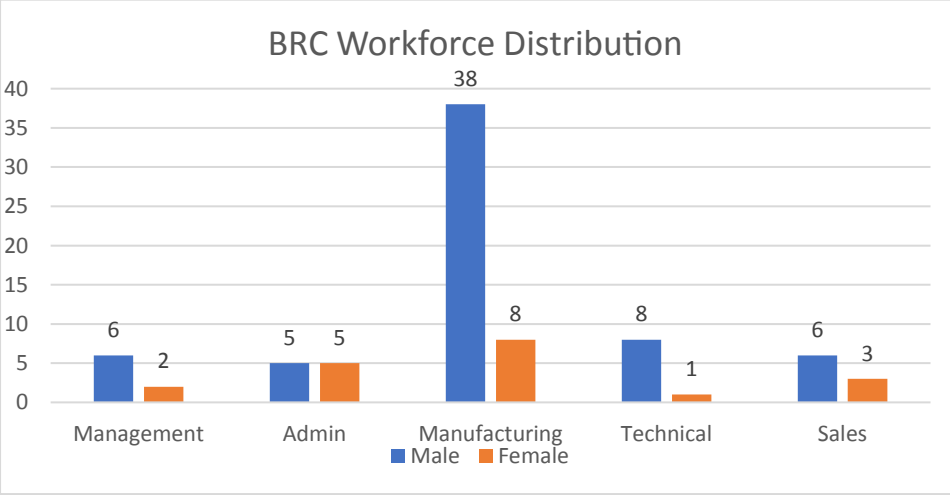
BRC is an equal opportunity employer. No person will be excluded based on the grounds of age, race, colour, creed, sex, sexual orientation, ancestry, place of origin, citizenship, marital or family status, disability or record of offenses. This policy applies to recruitment and hiring practices but also includes placement, promotion, transfer rate of pay and termination.

Report

BRC is committed to maintaining a work environment that consists of mutual respect that is free of prejudice, stereotyping, harassment and bullying. In order to facilitate this commitment BRC trains all staff including managers and team members on policies and programs that support a respectful workplace with the intent to eliminate any form of discrimination. Recently BRC engaged with team members using a survey that was designed to measure the effectiveness of training, and provide a platform for team members to communicate any concerns that they may have. The survey was successful at demonstrating the effectiveness of the training, and also helped to illustrate several areas that can be explored for further in future years for improvement.

BRC prides itself on the team members we employ and the diversity they bring to our team. Much of the diversity BRC experiences is thanks to employee referrals, which in many cases help to perpetuate the diversity within the organization. We thank all our team members who have helped to shape the diversity of our company by their referrals.

Statistics Reporting. BRC falls below the threshold required to report employee statistics to employment equity based on the four major categories. Women, aboriginal people, persons with disabilities, and members of visible minorities. However BRC will report these statistics when the employment threshold is met. To date BRC employs a workforce that is comprised of 25% females and 75% male workers. The chart below outlines the general workforce distribution.



Community Outreach & Involvement

BRC values its community and its place within it. To demonstrate this value, BRC looks for ways to contribute to the community including, donations, volunteerism, sponsorship or participation. Along with BRC's commitment BRC encourages its employees to do their part to be responsible citizens of the community, by engaging in local events, fundraisers, community programs and conservation efforts.

As part of its commitment to the community BRC and its Management team has reviewed and chosen a number of charities to make donations on its behalf.

Charitable Dontations

$500.00 was donated to the Rideau View Inspirational Golf Classic which raised funds for supporting mental health research. Mental health affects many individuals including people that we live, work, and socialize with. Many of these people deal with mental illness and are so good at masking their illness that it is not until a tragic event like suicide occurs that many people realize the struggles that they endure. Mental health research lead by Dr. Kaminsky is looking for medical ways to identify suicide and the correlation of epigenetic biomarkers and mental health risks.

$200.00 was donated to the Bruce Trail Conservancy. The Bruce Trail Conservancy is an organization that maintains, a ribbon of wilderness within environmentally sensitive, and significant areas along the Niagara Escarpment providing a footpath that spans over 800kms which starts in Queensland Ontario and terminates in Tobermory Ontario in the Bruce Peninsula. BRC regards the preservation of this wilderness corridor as being essential for recreation activities and to protect environmentally sensitive areas from development along with providing the community a natural unspoiled green space to enjoy with their friends and families.

$200.00 was donated to the Georgetown Hospital Foundation. Donations to the foundation fund investments in equipment and devices that help to improve technology and provide better tools to doctors who treat the residents of the community. BRC chose to donate to the Georgetown Hospital Foundation as it is a health care pillar of the community and serves to assist the many employees that live and work in the local community.

$200.00 was donated to Cancer Assistance Service of Halton Hills. BRC has had many employees, friends or family members both past and present that have had or are undergoing treatments for this disease. BRC has chosen to support CAS Halton Hills for this reason and believe that CAS Halton is providing vital support to the community through supply and use of medical equipment, supplies, transportation, palliative and respite care to individuals needing support.

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