



EPD Transparency Summary

COMPANY NAME American Wood Council
Canadian Wood Council

PRODUCT TYPE Wood Products

PRODUCT NAME North American Cellulosic Fiberboard

PRODUCT DEFINITION Cellulosic fiberboard is manufactured by thermo-mechanically reducing wood chips to fibers, combining the fibers with water and additives, forming the slurry into a mat, drying it with rollers to remove water, and trimming to specified dimensions.

PRODUCT CATEGORY RULE (PCR) North American Structural and Architectural Wood Products, FPInnovations Version 2 (UN CPC 31, NAICS 321), 18 June, 2015

CERTIFICATION PERIOD

DECLARATION NUMBER



LIFECYCLE IMPACT CATEGORIES

The environmental impacts listed below were assessed throughout the product’s lifecycle – including raw material extraction, transportation, manufacturing, and packaging.

	ATMOSPHERE			WATER		EARTH	
	Global Warming Potential refers to long-term changes in global weather patterns—including temperature and precipitation—that are caused by increased concentrations of greenhouse gases in the atmosphere.	Ozone Depletion Potential is the destruction of the stratospheric ozone layer, which shields the earth from ultraviolet radiation that’s harmful to life, caused by human-made air pollution.	Photochemical Ozone Creation Potential happens when sunlight reacts with hydrocarbons, nitrogen oxides, and volatile organic compounds, to produce a type of air pollution known as smog.	Acidification Potential is the result of human-made emissions and refers to the decrease in pH and increase in acidity of oceans, lakes, rivers, and streams – a phenomenon that pollutes groundwater and harms aquatic life.	Eutrophication Potential occurs when excessive nutrients cause increased algae growth in lakes, blocking the underwater penetration of sunlight needed to produce oxygen and resulting in the loss of aquatic life.	Depletion of Abiotic Resources (Elements) refers to the reduction of available non-renewable resources, such as metals and gases that are found on the periodic table of elements, due to human activity.	Depletion of Abiotic Resources (Fossil Fuels) refers to the decreasing availability of non-renewable carbon-based compounds, such as oil and coal, due to human activity.
TRACI	295.06 kg CO2 eq.	0.00 kg CFC-11 eq.	20.64 kg O3 eq.	2.92 kg SO2 eq.	0.07 kg N eq.	0.32 kg	4838.43 MJ
CML							





FUNCTIONAL UNIT The declared unit in this EPD is 1 cubic meter (m³) of cellulosic fiberboard. This is equivalent to 35.31 cubic feet. The average density of North American cellulosic fiberboard excluding moisture content is 254 oven dry kg/m³. Results are for a cradle-to-gate analysis and exclude use phase and end of life impacts.

MATERIAL CONTENT

COMPONENT	MATERIAL	AVAILABILITY	MASS %	ORIGIN
Wood	Wood, oven dry	Renewable	92.41	US and Canada
Additives:	Asphalt flake	Non-renewable	3.79	US and Canada
	Starch	Renewable	1.51	US and Canada
	Wax		1.12	US and Canada
	Clay		0.60	US and Canada
	Alum	Non-renewable	0.57	US and Canada
	Other		0.01	US and Canada

ADDITIONAL ENVIRONMENTAL INFORMATION

PRE-CONSUMER RECYCLED CONTENT	0 %
POST-CONSUMER RECYCLED CONTENT	0 %
VOC EMISSIONS	Exempt – see S. 1660
WATER CONSUMPTION	3795.78 L

RECYCLING OR REUSE

This is a business-to-business EPD, based on a cradle-to-gate LCA. The delivery of the product to the customer, its use and eventual end-of-life processing are excluded from this EPD.

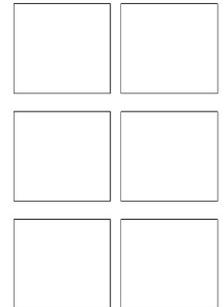
ENERGY

RENEWABLE ENERGY	21%
NON-RENEWABLE ENERGY	79%

STANDARDS

- ASTM C208 (2012)
- CAN/ULC-S706 (2009)
- SIC Code 321219

CERTIFICATIONS



MANUFACTURER CONTACT INFO

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