

## **EPD Transparency Brief**

Product name: FRE-114-3-5-AH

Description: Engineered wood flooring, American Hickory,

width=127mm, thickness=14mm

## Allwood Group, LLC



Declared Product:	This Environmental Product Declaration (EPD) covers flooring products produced by		
	Allwood Group, LLC. Declared unit: m2		
	Allwood Group, LLC		
Declaration Owner:	PO Box 1788		
Declaration Owner:	Tualatin - 97062, OR		
	${\bf www. allwoodgrp.com}$		
	P3 Optima		
D 0 1	537, McLeod Street		
Program Operator:	Ottawa, ON - K1R5R2		
	$\rm https://www.p3optima.com/$		
	Product Category Rule (PCR) Guidance for Building-Related Products and Services, Part		
Product Category Rule:	B: Flooring EPD Requirements		
	PCR Program Operator: UL Environment		
	PCR review was conducted by: Jack Geibig, Chair, Ecoform, jgeibig@ecoform.com –		
	Thaddeus Owen, hiper4m@gmail.com. – Thomas Gloria, PhD, Industrial Ecology		
	$Consultants, \ t. gloria@industrial-ecology.com.$		
	This declaration was independently verified in accordance with ISO 14025:2006. The UL $$		
	Environment "Part A: Calculation Rules for the Life Cycle Assessment and Requirements		
	on the Project Report," v3.2 (September 2018), based on ISO 21930:2017 and CEN Norm		
	EN 15804 (2012), serves as the core PCR, with additional considerations from the		
	USGBC/UL Environment Part A Enhancement (2017).		
	Independent verification of the declaration, according to ISO 14025: 2006		
Independent Verifier:	Internal; External X		
	Third Party Verifier		
	Geoffrey Guest, Certified 3rd Party Verifier under the P3Optima Program		
	(www.P3Optima.com), CSA Group (www.csaregistries.ca)		
Date of Issue:	10 February 2022		
Period of Validity:	5 years; valid until 10 February 2027		



## System boundary

The following figure depicts the cradle-to-grave system boundary considered in this study:

A1 - A3 Product Stage



A1 Raw material supply A2 Transport A3 Manufacturing

Installation Process Stage



A4 - A5

A4 Transport to Site
A5 Installation Process

**B1 - B7** Use Stage









C1 - C4

End of Life Stage



C1 De-installation/Demolition

C2 Transport

C3 Waste processing

C4 Disposal of waste

**B1** Use

**B2** Maintenance

B3 Repair

**B4** Replacement

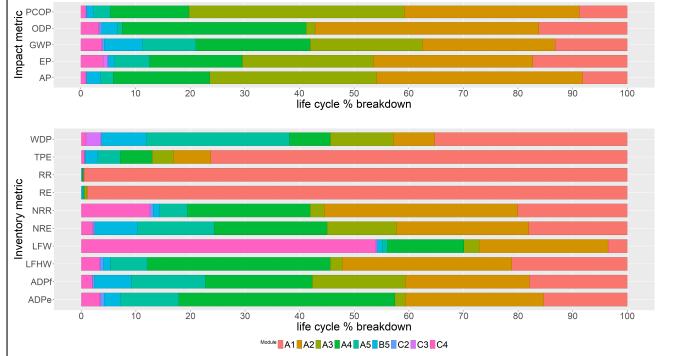
**B5** Refurbishment

**B6** Operational energy use

**B7** Operational water use

Acronym	Life Cycle Impact Metrics	$\operatorname{Unit}$	Value
PCOP	Photochemical oxidation potential	kg O3eq	0.145
ODP	Ozone layer depletion potential	kg CFC-11.	2.27e-06
GWP	Global warming potential	kg CO2-Eq	18.8
$\mathbf{EP}$	Eutrophication potential	kg N	0.0116
AP	Acidification potential	kg SO2eq	0.293

Acronym	Life Cycle Inventory Metrics	Unit	Value
WDP	Water depletion potential	m3 water	0.0931
$\mathbf{TPE}$	Total primary energy	MJ-Eq	1050
RR	Renewable resources	m3	0.0369
$\mathbf{RE}$	Renewable energy	MJ- $Eq$	752
NRR	Non-renewable resources	kg	11.7
NRE	Non-renwable energy	MJ-Eq	298
$\mathbf{LFW}$	Landfill bulk waste	kg waste	13.6
$\mathbf{LFHW}$	Landfill hazardous waste	kg waste	0.000425
ADPe	Abiotic depletion-fossil fuel	kg Sbeq	0.000595
ADPf	Abiotic depletion-elements	kg Sbeq	0.145





www.allwoodgrp.com