Environmental
Product
Declaration

According to EN15804+A2 (+indicators A1)

This declaration is for:
50 mm sheetpile Azobé, profiled, from certified forests

Provided by:
Centrum Hout



MRPI® registration
1.1.00760.2025

program operator
Stichting MRPI®
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COMPANY INFORMATION

Centrum Hout
Westeinde 8
1334 BK
Almere
Netherlands
0900-5329946
Eric de Munck
https://www.centrumhout.nl/

MRPI® REGISTRATION

1.1.00760.2025

DATE OF THIS ISSUE

22-1-2025

EXPIRY DATE

22-1-2030

SCOPE OF DECLARATION

This MRPI®-EPD certificate is verified by Fred van der Burgh Msc, Agrodome B.V.. The LCA study has been done by A. M. Kloppenburg Msc. , SHR B.V.. The certificate is based on an LCA-dossier according to EN15804+A2 (+indicators A1). It is verified according to the 'MRPI®-EPD verification protocol November 2020.v4.0'. EPDs of construction products may not be comparable if they do not comply with EN15804+A2. Declaration of SVHC that are listed on the 'Candidate list of Substances of Very High Concern for authorisation' when content exceeds the limits for registration with ECHA.

PROGRAM OPERATOR

Stichting MRPI®
Kingsfordweg 151
1043 GR
Amsterdam

PRODUCT

50 mm sheetpile Azobé, profiled, from certified forests

DECLARED UNIT / FUNCTIONAL UNIT

1 Productiveness (m2)

DESCRIPTION OF PRODUCT

Sheet pile with tongue and groove, including purlin beam and fasteners, durability class 1-2 (NEN-EN 350), strengthclass D70 (NEN-EN 1912), calculations are possible with D-sheet piling; 3cm thick/3 m1 long upto max 10 cm thick and 10 m1 long.

VISUAL PRODUCT



MORE INFORMATION

https://www.houtindegww.nl

Ing. L. L. Oosterveen MSc. MBA **Managing Director MRPI**	DEMONSTRATION OF VERIFICATION CEN standard EN15804 serves as the core PCR [1]
	Independent verification of the declaration an data according to EN15804+A2 (+indicators A1) internal: external: X
	Third party verifier: Fred van der Burgh Msc, Agrodome B.V.
	[1] PCR = Product Category Rules

DETAILED PRODUCT DESCRIPTION (PART 1)

The azobe logs are harvested with a chainsaw in certified forests. The logs are transported to the sawmill, sawn and profiled to sheet pile. Thereafter the sheet pile is stacked for transport. The sheet piles are transported by boat and truck to the port and with large breakbulk ships transported to the Netherlands. From the lumberyard the sheet pile is transported to the location of use, installed using a crane and connected with galvanized screws and bolts and includes a purlin beam. The reference service life is 37 years. For the end-of-life a specific scenario is used where, based on research, 5% landfill (left in the soil) is assumed, 15% incineration in AVI, 40% sold for reuse as other products and 40% reuse where the lower part of the sheetpile is used as upperpart in the new application.

technical specification	Amount	Unit
Density	1200	kg/m3
moisture content	20	%
max length	10	m
max thickness	10	cm

packaging material	Amount	Unit
straps steel	0,88	kg
straps plastic	0,14	kg

Component (> 1%)	kg per m2 sheetpile
azobe moisture content around 20%	60,36
galvanized steel	0,36

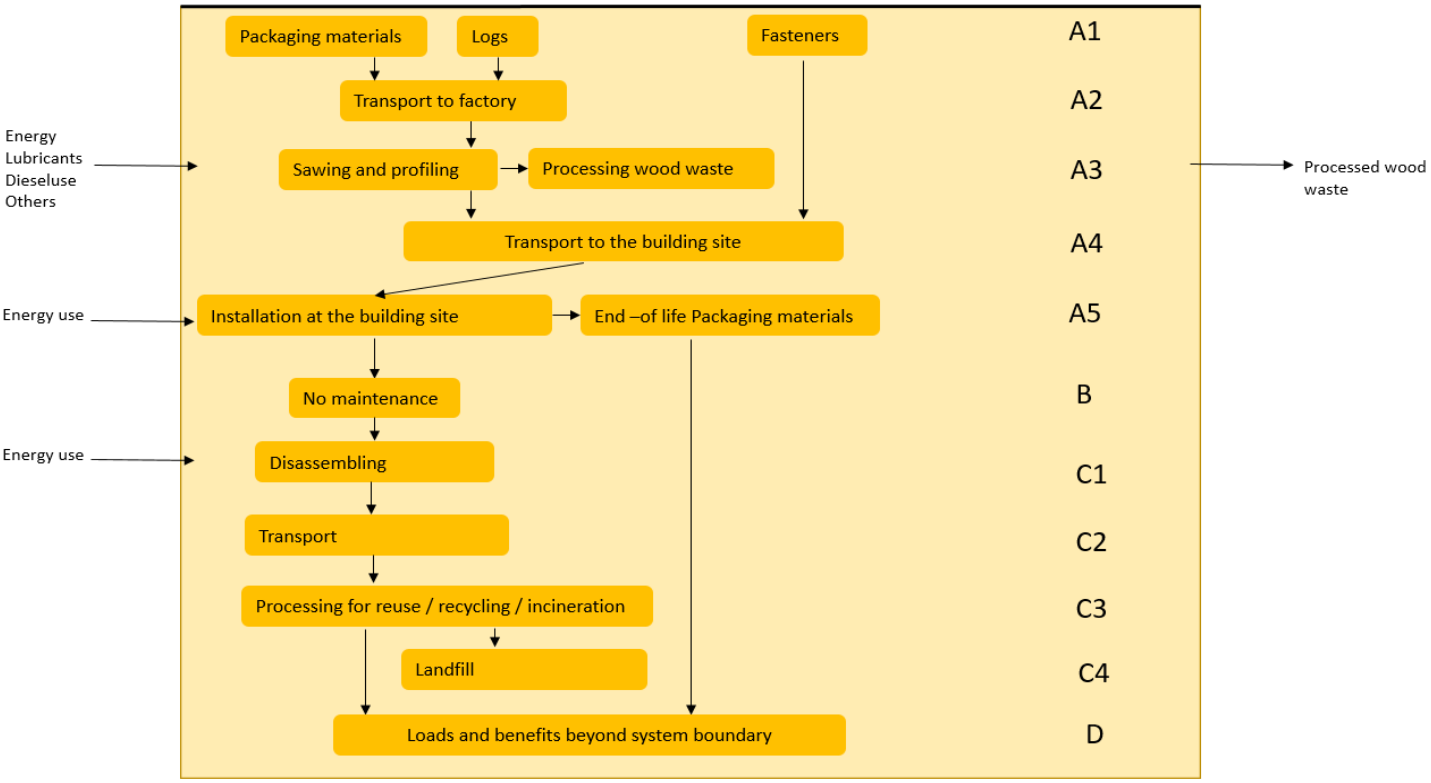
SCOPE AND TYPE

The dataset is an average EPD, representative for African sheet pile, harvested and initial production in Africa, transported to the Netherlands, installed in the Netherlands, the LCA is calculated with EcoInvent 3.6 in combination of the NMD process database calculations performed with Simapro version 9.5.

PRODUCT STAGE			CONSTRUCTION PROCESS STAGE		USER STAGE							END OF LIFE STAGE				BENEFITS AND LOADS BEYOND THE SYSTEM BOUNDARIES
Raw material supply	Transport	Manufacturing	Transport gate to site	Assembly	Use	Maintenance	Repair	Replacement	Refurbishment	Operational energy use	Operational water use	De-construction demolition	Transport	Waste processing	Disposal	Reuse - Recovery - Recycling potential
A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
X	X	X	X	X	X	X	X	X	X	ND	ND	X	X	X	X	X

X = Modules Assessed

ND = Not Declared



REPRESENTATIVENESS

the data is representative for the situation in Africa, in cases where economic allocation is applied, this is sensitive to fluctuations. The data is only applicable for wood from sustainable forest.

ENVIRONMENTAL IMPACT per functional unit or declared unit (indicators A1)

	Eenheid	A1	A2	A3	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
ADPE	kg Sb eq.	ND	ND	ND	1,79E-04	2,06E-05	3,07E-06	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	ND	ND	1,51E-06	2,05E-05	2,05E-06	3,40E-07	-7,74E-05
ADPF	MJ	ND	ND	ND	2,56E+02	1,23E+01	2,28E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	ND	ND	1,36E+01	1,22E+01	2,67E+00	7,52E-01	-9,76E+01
GWP	kg CO2 eq.	ND	ND	ND	1,98E+01	8,08E-01	2,26E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	ND	ND	1,31E+00	8,03E-01	2,68E-01	2,26E-01	-7,72E+00
ODP	kg CFC11 eq.	ND	ND	ND	2,90E-06	1,43E-07	2,84E-07	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	ND	ND	1,69E-07	1,42E-07	3,11E-08	7,87E-09	-1,25E-06
POCP	kg ethene eq.	ND	ND	ND	1,29E-01	4,87E-04	1,55E-03	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	ND	ND	5,91E-04	4,84E-04	1,35E-03	7,08E-05	-4,50E-02
AP	kg SO2 eq.	ND	ND	ND	2,49E-01	3,55E-03	1,09E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	ND	ND	6,61E-03	3,53E-03	4,26E-03	2,09E-04	-1,03E-01
EP	kg (PO4) 3- eq.	ND	ND	ND	6,15E-02	6,98E-04	2,61E-03	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	ND	ND	1,55E-03	6,94E-04	1,14E-03	8,64E-05	-2,72E-02

Toxicity indicators and ECI (Dutch market)

HTP	kg DCB eq.	ND	ND	ND	1,81E+01	3,40E-01	6,24E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	ND	ND	3,59E-01	3,38E-01	5,23E-01	1,96E-02	-9,71E+00
FAETP	kg DCB eq.	ND	ND	ND	8,23E-01	9,93E-03	1,63E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	ND	ND	5,02E-03	9,87E-03	1,18E-02	3,19E-04	-3,03E-01
MAETP	kg DCB eq.	ND	ND	ND	7,35E+02	3,57E+01	2,99E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	ND	ND	1,74E+01	3,55E+01	1,11E+01	1,31E+00	-2,94E+02
TETP	kg DCB eq.	ND	ND	ND	4,29E-01	1,20E-03	4,17E-03	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	ND	ND	5,94E-04	1,19E-03	4,12E-03	6,37E-05	-1,40E-01
ECI	euro	ND	ND	ND	4,57E+00	9,74E-02	2,45E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	ND	ND	1,42E-01	9,68E-02	9,24E-02	1,50E-02	-2,06E+00
ADPF	kg Sn eq.	ND	ND	ND	1,26E-01	5,94E-03	1,08E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	ND	ND	6,43E-03	5,90E-03	1,38E-03	3,65E-04	-4,86E-02

ADPE = Abiotic Depletion Potential for non-fossil resources
ADPF = Abiotic Depletion Potential for fossil resources
GWP = Global Warming Potential
ODP = Depletion potential of the stratospheric ozone layer
POCP = Formation potential of tropospheric ozone photochemical oxidants
AP = Acidification Potential of land and water
EP = Eutrophication Potential
HTP = Human Toxicity Potential
FAETP = Fresh water aquatic ecotoxicity potential
MAETP = Marine aquatic ecotoxicity potential
TETP = Terrestrial ecotoxicity potential
ECI = Environmental Cost Indicator
ADPF = Abiotic Depletion Potential for fossil resources

ENVIRONMENTAL IMPACT per functional unit or declared unit (core indicators A2)

	Unit	A1	A2	A3	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
GWP-total	kg CO2 eq	ND	ND	ND	-6,16E+01	8,15E-01	2,28E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	ND	ND	1,32E+00	8,10E-01	7,94E+01	3,34E-01	-7,17E+00
GWP-fossil	kg CO2 eq	ND	ND	ND	1,79E+01	8,15E-01	2,20E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	ND	ND	1,32E+00	8,10E-01	2,38E-01	3,24E-02	-7,17E+00
GWP-biogenic	kg CO2 eq	ND	ND	ND	-7,95E+01	3,76E-04	3,96E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	ND	ND	3,01E-04	3,74E-04	7,91E+01	3,02E-01	7,25E-03
GWP-luluc	kg CO2 eq	ND	ND	ND	-1,68E-02	2,98E-04	3,75E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	ND	ND	7,69E-05	2,97E-04	3,74E-02	1,56E-05	-7,15E-03
ODP	kg CFC11 eq	ND	ND	ND	3,64E-06	1,80E-07	3,58E-07	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	ND	ND	2,13E-07	1,79E-07	3,61E-08	9,84E-09	-1,49E-06
AP	mol H+ eq.	ND	ND	ND	3,36E-01	4,72E-03	1,54E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	ND	ND	9,32E-03	4,70E-03	6,25E-03	2,76E-04	-1,44E-01
EP-fresh water	kg P eq.	ND	ND	ND	2,33E-04	8,22E-06	1,10E-05	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	ND	ND	3,59E-06	8,17E-06	8,78E-06	6,65E-07	-1,99E-04
EP-marine	kg N eq.	ND	ND	ND	1,27E-01	1,66E-03	6,99E-03	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	ND	ND	4,20E-03	1,65E-03	2,93E-03	1,79E-04	-5,12E-02
EP-terrestrial	mol N eq.	ND	ND	ND	1,41E+00	1,84E-02	7,54E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	ND	ND	4,61E-02	1,82E-02	3,25E-02	1,02E-03	-6,23E-01
POCP	kg NMVOC eq.	ND	ND	ND	4,63E-01	5,24E-03	2,08E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	ND	ND	1,20E-02	5,21E-03	9,66E-03	3,64E-04	-1,79E-01
ADP-minerals & metals	kg Sb eq.	ND	ND	ND	1,78E-04	2,06E-05	3,06E-06	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	ND	ND	1,51E-06	2,05E-05	2,04E-06	3,40E-07	-7,71E-05
ADP-fossil	MJ, net calorific value	ND	ND	ND	2,56E+02	1,23E+01	2,28E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	ND	ND	1,36E+01	1,22E+01	2,67E+00	7,52E-01	-9,76E+01
WDP	m3 world eq. Deprived	ND	ND	ND	1,28E+01	4,39E-02	3,80E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	ND	ND	1,81E-02	4,37E-02	6,40E-02	3,22E-02	-4,25E+00

GWP-total = Global Warming Potential total

GWP-fossil = Global Warming Potential fossil fuels

GWP-biogenic = Global Warming Potential biogenictotal

GWP-luluc = Global Warming Potential land use and land use change

ODP = Depletion potential of the stratospheric ozone layer

AP = Acidification Potential, Accumulated Exceedence

EP-freshwater = Eutrophication Potential, fraction of nutrients reaching freshwater end compartment

EP-marine = Eutrophication Potential, fraction of nutrients reaching marine end compartment

EP-terrestrial = Eutrophication Potential, Accumulated Exceedence

POCP = Formation potential of tropospheric ozone photochemical oxidants

ADP-minerals & metals = Abiotic Depletion Potential for non-fossil resources [1]

ADP-fossil = Abiotic Depletion for fossil resources potential [1]

WDP = Water (user) deprivation potential, deprivation-weighted water consumption [1]

Disclaimer [1]:

- The results of this environmental impact indicator shall be used with care as the uncertainties on these results are high or as there is limited experience with the indicator.

ENVIRONMENTAL IMPACT per functional unit or declared unit (additional indicators A2)

	Unit	A1	A2	A3	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
PM	Disease inci-dence	ND	ND	ND	8,69E-07	7,32E-08	5,39E-08	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	ND	ND	3,20E-08	7,27E-08	4,87E-08	5,22E-09	-7,81E-07
IRP	kBq U235 eq.	ND	ND	ND	1,05E+00	5,15E-02	9,78E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	ND	ND	5,83E-02	5,12E-02	8,44E-03	2,94E-03	-3,87E-01
ETP-fw	CTUe	ND	ND	ND	4,37E+02	1,10E+01	1,46E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	ND	ND	8,15E+00	1,09E+01	5,87E+00	7,55E-01	-4,97E+02
HTP-c	CTUh	ND	ND	ND	7,42E-07	3,55E-10	5,15E-10	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	ND	ND	2,86E-10	3,53E-10	5,56E-09	2,08E-11	-2,42E-07
HTP-nc	CTUh	ND	ND	ND	3,71E-06	1,20E-08	1,75E-08	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	ND	ND	7,63E-09	1,19E-08	2,29E-08	8,08E-10	-1,28E-06
SQP	-	ND	ND	ND	-2,45E+03	1,07E+01	5,42E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	ND	ND	1,73E+00	1,06E+01	3,11E+00	1,78E+00	-5,80E+02

PM = Potential incidence of disease due to PM emissions
IRP = Potential Human exposure efficiency relative to U235 [1]
ETP-fw = Potential Comparative Toxic Unit for ecosystems [2]
HTP-c = Potential Comparative Toxic Unit for humans [2]
HTP-nc = Potential Comparative Toxic Unit for humans, non-cancer [2]
SQP = Potential soil quality index [2]

Disclaimer [1]:

- This impact category deals mainly with the eventual impact of low dose ionizing radiation on human health of the nuclear fuel cycle. It does not consider effects due to possible nuclear accidents, occupational exposure nor due to radioactive waste.

Disclaimer [2]:

- The results of this environmental impact indicator shall be used with care as the uncertainties on these results are high or as there is limited experience with the indicator.

OUTPUT FLOWS AND WASTE CATEGORIES per functional unit or declared unit (A1 en A2)

	Unit	A1	A2	A3	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
HWD	kg	ND	ND	ND	5,01E-04	3,11E-05	6,39E-05	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	ND	ND	3,70E-05	3,09E-05	1,04E-05	1,16E-06	-2,36E-04
NHWD	kg	ND	ND	ND	9,87E+00	7,79E-01	6,33E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	ND	ND	1,61E-02	7,75E-01	1,28E-01	3,01E+00	-3,80E+00
RWD	kg	ND	ND	ND	1,64E-03	8,07E-05	1,58E-04	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	ND	ND	9,43E-05	8,02E-05	1,17E-05	4,47E-06	-6,08E-04
CRU	kg	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	ND	ND	0,00E+00	0,00E+00	9,60E+01	0,00E+00	0,00E+00
MFR	kg	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	ND	ND	0,00E+00	0,00E+00	1,60E-01	0,00E+00	0,00E+00
MER	kg	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	ND	ND	0,00E+00	0,00E+00	1,87E+01	0,00E+00	0,00E+00
EEE	MJ	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	ND	ND	0,00E+00	0,00E+00	8,12E+01	0,00E+00	0,00E+00
ETE	MJ	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	ND	ND	0,00E+00	0,00E+00	4,71E+01	0,00E+00	0,00E+00

HWD = Hazardous Waste Disposed
NHWD = Non Hazardous Waste Disposed
RWD = Radioactive Waste Disposed
CRU = Components for reuse
MFR = Materials for recycling
MER = Materials for energy recovery
EEE = Exported Electrical Energy
ETE = Exported Thermal Energy

RESOURCE USE per functional unit or declared unit (A1 and A2)

	Unit	A1	A2	A3	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
PERE	MJ	ND	ND	ND	7,68E+02	1,54E-01	5,18E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	ND	ND	7,46E-02	1,53E-01	4,78E-01	1,32E-02	-2,21E+01
PERM	MJ	ND	ND	ND	8,55E+02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	ND	ND	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
PERT	MJ	ND	ND	ND	1,62E+03	1,54E-01	5,18E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	ND	ND	7,46E-02	1,53E-01	4,78E-01	1,32E-02	-2,21E+01
PENRE	MJ	ND	ND	ND	2,71E+02	1,30E+01	2,42E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	ND	ND	1,44E+01	1,30E+01	2,87E+00	8,00E-01	-1,04E+02
PENRM	MJ	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	ND	ND	0,00E+00	0,00E+00	1,85E-04	0,00E+00	0,00E+00
PENRT	MJ	ND	ND	ND	2,71E+02	1,30E+01	2,42E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	ND	ND	1,44E+01	1,30E+01	2,87E+00	8,00E-01	-1,04E+02
SM	kg	ND	ND	ND	0,00E+00	0,00E+00	1,01E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	ND	ND	0,00E+00	0,00E+00	7,38E-05	0,00E+00	0,00E+00
RSF	MJ	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	ND	ND	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
NSRF	MJ	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	ND	ND	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
FW	m3	ND	ND	ND	2,77E-01	1,50E-03	1,37E-03	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	ND	ND	7,02E-04	1,49E-03	9,19E-03	7,86E-04	-9,29E-02

PERE = Use of renewable energy excluding renewable primary energy resources
PERM = Use of renewable energy resources used as raw materials
PERT = Total use of renewable primary energy resources
PENRE = Use of non-renewable primary energy resources excluding non-renewable energy resources used as raw materials
PENRM = Use of non-renewable primary energy resources used as raw materials
PENRT = Total use of non-renewable primary energy resources
SM = Use of secondary materials
RSF = Use of renewable secondary fuels
NSRF = Use of non-renewable secondary fuels
FW = Use of net fresh water

BIOGENIC CARBON CONTENT per functional unit or declared unit (A1 and A2)

	Unit	A1	A2	A3	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
BBCpr	kg C	ND	ND	ND	2,17E+01	0,00E+00	-1,30E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	ND	ND	0,00E+00	0,00E+00	2,06E+01	1,09E+00	0,00E+00
BCCpa	kg C	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	ND	ND	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00

BCCpr = Biogenic carbon content in product
BCCpa = Biogenic carbon content in packaging

CALCULATION RULES (PART 1)

Data is from 2018-2020, and still representative in 2024, the production process is not changed. Economic allocation is applied if allocation could not be avoided. All material and energy flows are considered. The profile is scalable where a linear scaling can be applied for the thickness.

SCENARIOS AND ADDITIONAL TECHNICAL INFORMATION (PART 1)

Within module A1-A3 the complete production of the sheetpile is considered. Module A4 considers the transport to the port and to the Netherlands. In module A5 installation at the building site is considered with a crane. there is no maintenance, so module B is empty. In module C1 the removal by a crane is considered. the removed sheetpile is in module C2 transported to a timeryard. In module C3 the sheet pile is further processed, either sawn to new products, prepared for reuse, the unuseable parts are in an AVI burned for energy recovery. in C4 the impacts due to landfill, as usually part of the sheet pile remains in the soil, are considered. The loads and benefits beyond the system boundary are considered in module D. There are no harmfull substances present in amounts exceeding 0,1%.

End-of-life scenario	percentage %
Landfill	5%
Incineration	31%
Recycling	24%
Reuse	40%

DECLARATION OF SVHC

the product does not contain SVHC in amounts exceeding 0,1%

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REMARKS

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