Environmental
Product
Declaration

According to EN15804+A2 (+indicators A1)

This declaration is for:
Ground screw

Provided by:
FIRST BASE Ground Screws



MRPI® registration:
1.1.00565.2024

Program operator:
Stichting MRPI®
Publisher:
Stichting MRPI®
www.mrpi.nl

Date of first issue:
15-5-2024
Date of this issue:
18-11-2025
Expiry date:
15-5-2029

COMPANY INFORMATION

FIRST BASE Ground Screws
Liessentstraat 9a
5405 AH
Uden
Netherlands
31413700133
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https://firstbasegroundscrews.com

MRPI® REGISTRATION

1.1.00565.2024

DATE OF THIS ISSUE

18-11-2025

EXPIRY DATE

15-5-2029

SCOPE OF DECLARATION

This MRPI®-EPD certificate is verified by Anne-Kees Jeeninga, Advieslab VOF. The LCA study has been done by Chantal Houben, SGS INTRON. 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.

PRODUCT

Ground screw

DECLARED UNIT / FUNCTIONAL UNIT

1 Mass (kg)

DESCRIPTION OF PRODUCT

The ground screws are used as a foundation for houses and other structures, such as solar panels or sheds.

VISUAL PRODUCT



PROGRAM OPERATOR

Stichting MRPI®
Kingsfordweg 151
1043 GR
Amsterdam

MORE INFORMATION

https://

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 and data according to EN15804+A2 (+indicators A1) Internal: External: X
	Third party verifier: Anne-Kees Jeeninga, Advieslab VOF
	[1] PCR = Product Category Rules

DETAILED PRODUCT DESCRIPTION

The ground screws are made from steel pipes. These steel pipes get sawn to size. After which they get heated, and a point is drawn to make the shape of the pipe conical at one side. The screw tread is then welded on as well as the flange and bolt which are produced externally by a cold extrusion process. The ground screw is now transported to be galvanized at another location and transported back to be finished. When the product is finished the ground screws are transported from the factory in China to the warehouse of FIRST BASE in the Netherlands. This transport is included in A2. These ground screws have a reference service lifetime of 70+ years

Composition	Amount per kg
Steel pipe	0,853
Steel flange and nut	0,113
Zinc	0,424

The production figures (A1-3) do not include packaging since FIRST BASE uses steel packaging that is re-used as product itself. Therefore there is no waste treatment of packaging materials.

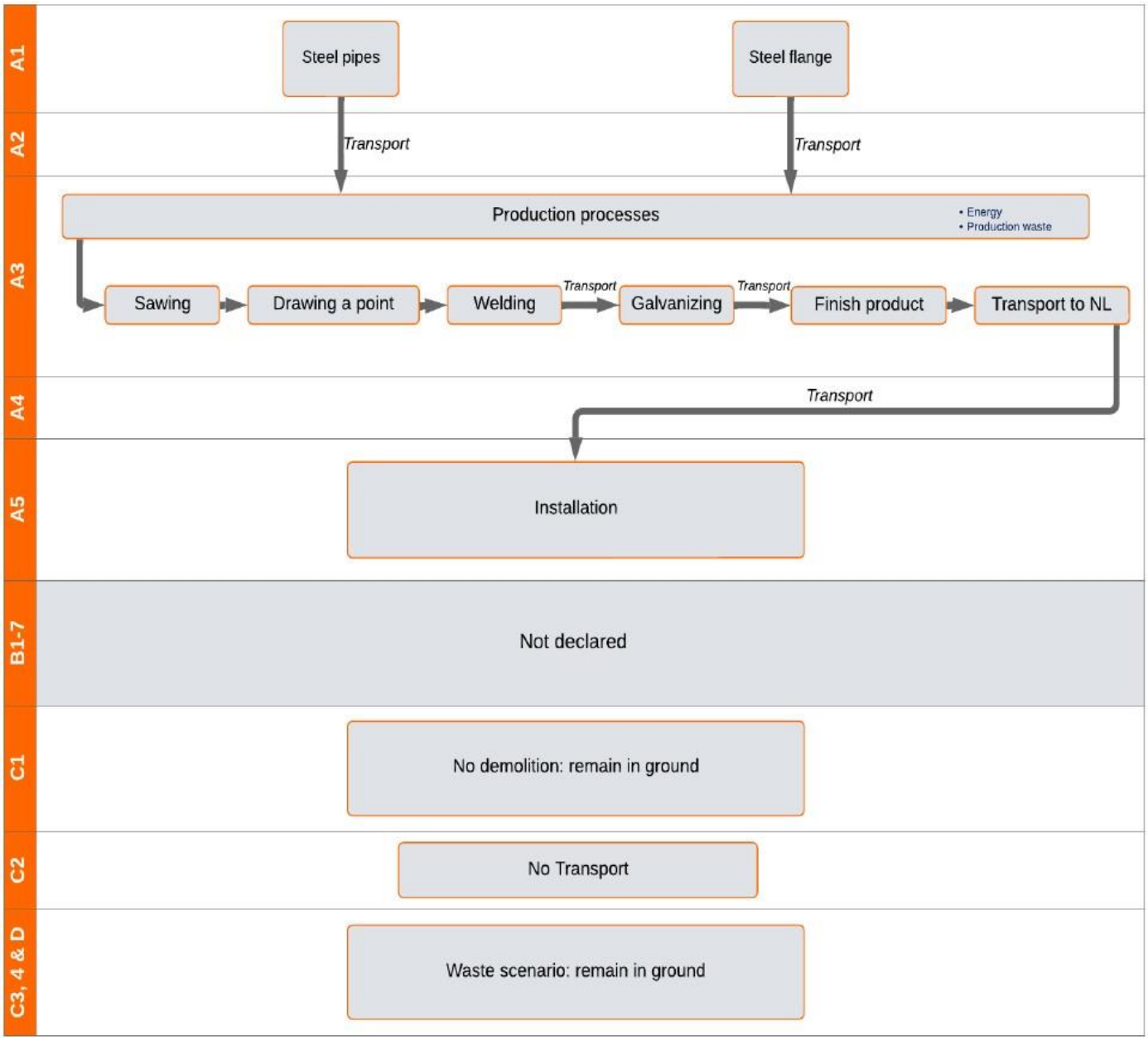
SCOPE AND TYPE

The products are produced in China and applied on the European market.The end of life scenario is modelled with European scenario's. The LCA calculations are made using Simapro and the Ecoinvent database v3.6. . This is an EPD for 1 kg of FIRST Base groundscrews

PRODUCT STAGE			CONSTRUCTION PROCESS STAGE		USE 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	ND	ND	ND	ND	ND	ND	X	X	X	X	

X = Modules Assessed

ND = Not Declared



REPRESENTATIVENESS

This EPD is representative for 1 kg of Ground screw and can be used to calculate the environmental impact of every FIRST BASE Ground Screw.

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

	Unit	A1	A2	A3	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
ADPE	kg Sb eq.	5,94E-05	3,45E-07	1,03E-04	1,62E-04	5,13E-07	7,41E-09	0,00E+00	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	4,82E-08	1,34E-07
ADPF	MJ	2,20E+01	2,05E-01	6,88E+00	2,91E+01	3,05E-01	2,41E-02	0,00E+00	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	1,47E-01	1,38E+00
GWP	kg CO2 eq.	2,20E+00	1,35E-02	6,45E-01	2,86E+00	2,01E-02	1,82E-03	0,00E+00	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	5,17E-03	1,85E-01
ODP	kg CFC11 eq.	1,17E-07	2,40E-09	5,82E-08	1,78E-07	3,56E-09	8,96E-11	0,00E+00	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	1,72E-09	6,43E-09
POCP	kg ethene eq.	3,15E-03	8,15E-06	5,36E-04	3,69E-03	1,21E-05	2,70E-07	0,00E+00	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	5,51E-06	4,01E-04
AP	kg SO2 eq.	8,06E-03	5,94E-05	6,66E-03	1,48E-02	8,83E-05	3,40E-06	0,00E+00	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	3,78E-05	6,25E-04
EP	kg (PO4) 3 eq.	1,24E-03	1,17E-05	9,36E-04	2,19E-03	1,73E-05	6,99E-07	0,00E+00	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	7,29E-06	7,42E-05

Toxicity indicators and ECI (Dutch market)

HTP	kg DCB eq.	1,43E+00	5,68E-03	5,96E-01	2,03E+00	8,45E-03	2,04E-04	1,79E-02	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	2,34E-03	1,15E-01
FAETP	kg DCB eq.	4,40E-02	1,66E-04	3,82E-02	8,24E-02	2,47E-04	5,63E-06	2,02E+00	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	5,54E-05	-1,43E-03
MAETP	kg DCB eq.	4,26E+01	5,97E-01	4,20E+01	8,51E+01	8,88E-01	2,38E-02	3,06E+02	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	1,98E-01	-1,20E+00
TETP	kg DCB eq.	1,54E-02	2,01E-05	1,35E-02	2,89E-02	2,99E-05	9,25E-06	1,04E+00	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	5,87E-06	-9,65E-03
ECI	euro	2,97E-01	1,63E-03	1,29E-01	4,28E-01	2,42E-03	1,35E-04	1,55E-01	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	7,30E-04	2,30E-02
ADPF	kg Sb eq.	1,42E-02	9,93E-05	3,74E-03	1,80E-02	1,48E-04	1,37E-05	0,00E+00	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	7,04E-05	1,14E-03

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.	2,31E+00	1,36E-02	6,64E-01	2,99E+00	2,03E-02	1,86E-03	0,00E+00	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	5,28E-03	1,96E-01
GWP-fossil	kg CO2 eq.	2,29E+00	1,36E-02	6,46E-01	2,95E+00	2,02E-02	1,84E-03	0,00E+00	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	5,27E-03	1,98E-01
GWP-biogenic	kg CO2 eq.	1,60E-02	6,29E-06	9,15E-03	2,51E-02	9,35E-06	2,02E-05	0,00E+00	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	1,04E-05	-2,06E-03
GWP-luluc	kg CO2 eq.	8,36E-03	4,99E-06	8,03E-03	1,64E-02	7,42E-06	5,43E-07	0,00E+00	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	1,47E-06	-1,46E-04
ODP	kg CFC11 eq.	1,11E-07	3,01E-09	6,76E-08	1,81E-07	4,47E-09	8,91E-11	0,00E+00	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	2,17E-09	4,83E-09
AP	mol H+ eq.	9,83E-03	7,90E-05	8,29E-03	1,82E-02	1,17E-04	4,30E-06	0,00E+00	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	5,00E-05	7,64E-04
EP-fresh water	kg P eq.	1,39E-04	1,37E-07	5,62E-05	1,96E-04	2,04E-07	1,05E-07	0,00E+00	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	5,90E-08	6,99E-06
EP-marine	kg N eq.	1,97E-03	2,78E-05	1,99E-03	3,99E-03	4,14E-05	9,22E-07	0,00E+00	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	1,72E-05	1,42E-04
EP-terrestrial	mol N eq.	2,09E-02	3,07E-04	2,16E-02	4,28E-02	4,56E-04	1,13E-05	0,00E+00	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	1,90E-04	1,65E-03
POCP	kg NMVOC eq.	1,04E-02	8,76E-05	5,93E-03	1,64E-02	1,30E-04	2,80E-06	0,00E+00	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	5,51E-05	1,13E-03
ADP-minerals & metals	kg Sb eq.	5,94E-05	3,45E-07	1,03E-04	1,62E-04	5,13E-07	7,41E-09	0,00E+00	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	4,82E-08	1,34E-07
ADP-fossil	MJ, net calorific value	2,20E+01	2,05E-01	6,88E+00	2,91E+01	3,05E-01	2,41E-02	0,00E+00	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	1,47E-01	1,38E+00
WDP	m3 world eq. Deprived	9,70E-01	7,35E-04	6,81E-01	1,65E+00	1,09E-03	1,85E-04	0,00E+00	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	6,60E-03	3,78E-02

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	1,80E-07	1,22E-09	4,27E-08	2,24E-07	1,82E-09	1,41E-11	0,00E+00	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	9,70E-10	1,14E-08
IRP	kBq U235 eq.	3,65E-02	8,60E-04	2,36E-02	6,09E-02	1,28E-03	4,98E-05	0,00E+00	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	6,04E-04	-3,38E-03
ETP-fw	CTUe	7,70E+01	1,83E-01	1,50E+01	9,21E+01	2,72E-01	2,45E-02	3,10E+01	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	9,55E-02	6,64E+00
HTP-c	CTUh	1,09E-08	5,90E-12	2,69E-09	1,36E-08	8,80E-12	4,00E-13	0,00E+00	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	2,20E-12	2,53E-11
HTP-nc	CTUh	7,59E-08	2,00E-10	1,68E-08	9,29E-08	2,98E-10	1,37E-11	4,21E-06	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	6,79E-11	-3,84E-08
SQP	-	6,85E+00	1,78E-01	2,17E+00	9,20E+00	2,65E-01	4,96E-03	0,00E+00	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	3,09E-01	3,06E-01

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, cancer [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	1,78E-04	5,20E-07	2,68E-05	2,05E-04	7,74E-07	1,86E-08	0,00E+00	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	2,20E-07	2,37E-05
NHWD	kg	4,22E-01	1,30E-02	1,51E-01	5,86E-01	1,94E-02	7,11E-05	0,00E+00	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	1,00E+00	1,94E-02
RWD	kg	3,81E-05	1,35E-06	2,91E-05	6,86E-05	2,00E-06	4,99E-08	0,00E+00	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	9,67E-07	-1,17E-06
CRU	kg	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
MFR	kg	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
MER	kg	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
EEE	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
ETE	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	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	1,05E+00	2,57E-03	4,21E-01	1,48E+00	3,82E-03	2,60E-03	0,00E+00	INA	INA	INA	INA	INA	INA	0,00E+00	0,00E+00	0,00E+00	1,19E-03	-4,02E-02
PERM	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	INA	INA	INA	INA	INA	INA	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
PERT	MJ	1,05E+00	2,57E-03	4,21E-01	1,48E+00	3,82E-03	2,60E-03	0,00E+00	INA	INA	INA	INA	INA	INA	0,00E+00	0,00E+00	0,00E+00	1,19E-03	-4,02E-02
PENRE	MJ	2,32E+01	2,18E-01	7,32E+00	3,08E+01	3,24E-01	2,58E-02	0,00E+00	INA	INA	INA	INA	INA	INA	0,00E+00	0,00E+00	0,00E+00	1,56E-01	1,43E+00
PENRM	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	INA	INA	INA	INA	INA	INA	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
PENRT	MJ	2,32E+01	2,18E-01	7,32E+00	3,08E+01	3,24E-01	2,58E-02	0,00E+00	INA	INA	INA	INA	INA	INA	0,00E+00	0,00E+00	0,00E+00	1,56E-01	1,43E+00
SM	kg	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	INA	INA	INA	INA	INA	INA	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
RSF	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	INA	INA	INA	INA	INA	INA	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
NSRF	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	INA	INA	INA	INA	INA	INA	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
FW	m3	2,49E-02	2,50E-05	1,68E-02	4,18E-02	3,72E-05	1,48E-05	0,00E+00	INA	INA	INA	INA	INA	INA	0,00E+00	0,00E+00	0,00E+00	1,57E-04	7,16E-04

PERE = Use of renewable primary energy excluding renewable primary energy used as raw materials
PERM = Use of renewable primary 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	0,00E+00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BCCpa	kg C	ND	ND	ND	0,00E+00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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

CALCULATION RULES

Primary data at the one of the main production locations of FIRST BASE where collected in 2023.
No materials or processes have been excluded from the study (cut-of rule is well below 1%).

The LCA calculations are made using the Ecoinvent database v3.6. Infrastructure processes in Ecoinvent processes have been included, long term emissions in Ecoinventprocesses have been excluded from the LCA calculations.

SCENARIOS AND ADDITIONAL TECHNICAL INFORMATION

Transport from the factory in China to the Netherlands was included in A2. The ground screws are transported from the factory in China to the harbor 120 km away. A ship transports the ground screws 20468 km to Rotterdam harbor from which it is transported to Veghel by an inland barge for 110 km. In Veghel, the ground screws are loaded onto trucks to be transported 8,4 km to Uden, where the warehouse is located.

SCENARIOS AND ADDITIONAL TECHNICAL INFORMATION

Transport to the construction site can vary greatly and can depend on customer. Therefore, truck transport with a default distance of 150 km was included to model transport to the customer.

The Ground screws are installed using either an electric installation machine or a hydraulic machine. According to FIRST BASE, the electric installation machine consumes about 1800 watts. At maximum capacity, about 100m of ground screw can be installed per day which is 635kg of steel, only the electricity use was taken into consideration. According to FIRST BASE, the hydraulic installation machine consumes about 40 liters of Diesel per day. At maximum capacity, about 400m of ground screw can be installed per day which is 2540kg of steel. A5 of the environmental profile in this EPD is for electric installation.

Installation method	per kg ground screw
Electric (W)	2,83
Hydraulic (diesel L)	0,0157

Almost all ground screws remain in the ground since they are not removed and are therefore counted as 100% disposal. The 100% of the product remains in ground is not recycled so no benefit can be attributed in D. However, according to the Assessment Method, secondary steel needs to be added in module D, since there is a loss of secondary material of 21,8%. Do note this is not done on the international market and can therefore be disregarded when used for the international market.

DECLARATION OF SVHC

No substances that are listed in the latest “Candidate List of Substances of Very High Concern for authorisation” are included in the product that exceeds the limit for registration.

REFERENCES

Stichting nationale Milieudatabase, Bepalingsmethode Milieuprestatie Bouwwerken versie 1.0.

EN 15804:2012+A2:2019, Sustainability of construction works - Environmental product declarations - Core rules for the product category of construction products, 2019.

ISO, ISO 14025:2006 Environmental labels and declarations — Type III environmental declarations — Principles and procedures, 2006.

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REMARKS

According to the Dutch Assessment Method, secondary steel needs to be added in module D, since there is a loss of secondary material. Do note this is not done on the international market and can therefore be disregarded when used for the international market.