

ENVIRONMENTAL PRODUCT DECLARATION

According to ISO 14025 and EN 15804



SPOORBALLAST PORFIER QUENAST, INCLUSIEF OVERSLAG IN BINNENVAARTSCHIP OF VRACHTAUTO. SBK 3.0 HERZIEN 11-2020

COMPANY INFORMATION / DECLARATION OWNER

Manufacturer: De Hoop Betonmortel /
Bouwgrondstoffen
Production Location: Sagrex
Address: Rue de Rebecq 66
1430 Rebecq
E-mail: bc.vdpeijl@dehoop.nl
Website: www.dehoop.nl

EPD INFORMATION

Calculation number: EPD-NIBE-20201112-6111
Date of issue: 04-12-2020
End of validity: 04-12-2025
Version NIBE's EPD Application: v2.0
Version database: v2.94 (2020-07-13)
PCR: SBK bepalingmethode v3.0 incl.
amendments July 2019, Jan 2020

VERIFICATION OF THE DECLARATION

CEN standard EN 15804:2012 serves as the core PCR
Independent verification of the declaration. according to EN ISO
14025:2010. Internal External

De methodologie en dataverzameling zoals beschreven in dit rapport en projectdossier voldoet aan de eisen van de "Bepalingsmethode Milieuprestatie Gebouwen en GWW-werken", versie 3.0 van januari 2019. Daarmee wordt tevens voldaan aan de norm EN 15804:2012+A1:2013 en de onderliggende ISO14025 en ISO14040/44.

Third party verifier: Rick Scholtes - review, NIBE

DECLARED UNIT

Unit: ton (ton)

SCOPE OF DECLARATION

A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
X	X	X	MND	MND	MND	MND	MND	MND	MND	MND	MND	MND	MND	MND	MND	MND

(X = included, MND = module not declared)

PRODUCT DESCRIPTION

Deze LCA geeft de milieueffecten weer van de productie van spoorballast in de maten 31,5/50 en 22/40 mm, gerekend zijn de processen in de groeve en het transport per trein van de groeve naar de laadkade te Klabbeek, en/of beladen van vrachtauto's.

DESCRIPTION OF THE MANUFACTURING PROCESS

De steen wordt in de groeve losgemaakt door middel van explosieven. Daarna wordt de steen naar de breker getransporteerd. Hier wordt de steen gebroken, gezeefd en gewassen totdat het geschikt is als spoorballast.

Leeswijzer:

De berekening van A1+A2+A3 is (in dit geval) door de inrichting van de EPD tool afwijkend weergegeven.

Alle processen in de groeve, brekerij, intern transport en beladen transportmiddel voor levering aan afnemers zijn beschouwd in A1+A2+A3.

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RESULTS

Impact category	Unit	A1	A2	A3	Total
ADPE	Kg Sb	0.00E+0	0.00E+0	5.40E-5	5.40E-5
ADPF	Kg Sb	0.00E+0	0.00E+0	2.62E-2	2.62E-2
GWP	Kg CO2 Equiv.	0.00E+0	0.00E+0	4.26E+0	4.26E+0
ODP	Kg CFC-11 Equiv.	0.00E+0	0.00E+0	6.25E-7	6.25E-7
POCP	Kg Ethene Equiv.	0.00E+0	0.00E+0	7.56E-3	7.56E-3
AP	Kg SO2 Equiv.	0.00E+0	0.00E+0	2.68E-2	2.68E-2
EP	Kg PO43- Equiv.	0.00E+0	0.00E+0	5.79E-3	5.79E-3
HTP	kg 1.4 DB	0.00E+0	0.00E+0	2.31E+0	2.31E+0
FAETP	kg 1.4 DB	0.00E+0	0.00E+0	2.91E-2	2.91E-2
MAETP	kg 1.4 DB	0.00E+0	0.00E+0	1.13E+2	1.13E+2
TETP	kg 1.4 DB	0.00E+0	0.00E+0	1.35E-2	1.35E-2
Parameter	Unit	A1	A2	A3	Total
PERE	MJ	0.00E+0	0.00E+0	9.23E-1	9.23E-1
PERM	MJ	0.00E+0	0.00E+0	1.11E+1	1.11E+1
PERT	MJ	0.00E+0	0.00E+0	1.74E+1	1.74E+1
PENRE	MJ	0.00E+0	0.00E+0	7.23E-3	7.23E-3
PENRM	MJ	0.00E+0	0.00E+0	8.40E-1	8.40E-1
PENRT	MJ	0.00E+0	0.00E+0	6.17E+1	6.17E+1
SM	Kg	0.00E+0	0.00E+0	0.00E+0	0.00E+0
RSF	MJ	0.00E+0	0.00E+0	0.00E+0	0.00E+0
NRSF	MJ	0.00E+0	0.00E+0	0.00E+0	0.00E+0
FW	M3	0.00E+0	0.00E+0	3.79E-2	3.79E-2
HWD	Kg	0.00E+0	0.00E+0	2.47E-4	2.47E-4
NHWD	Kg	0.00E+0	0.00E+0	1.70E+0	1.70E+0
RWD	Kg	0.00E+0	0.00E+0	4.58E-4	4.58E-4
CRU	Kg	0.00E+0	0.00E+0	0.00E+0	0.00E+0
MFR	Kg	0.00E+0	0.00E+0	0.00E+0	0.00E+0
MER	Kg	0.00E+0	0.00E+0	0.00E+0	0.00E+0
EE	MJ	0.00E+0	0.00E+0	0.00E+0	0.00E+0
SP	s€	s€ 0,00	s€ 0,00	s€ 0,61	s€ 0,61

Impact categories: ADPE=Depletion of abiotic resources-elements | ADPF=Depletion of abiotic resources-fossil fuels | GWP=Global warming | ODP=Ozone layer depletion | POCP=Photochemical oxidants creation | AP=Acidification of soil and water | EP=Eutrophication | HTP=Human toxicity | FAETP=Ecotoxicity, fresh water | MAETP=Ecotoxicity, marine water (MAETP) | TETP=Ecotoxicity, terrestrial

Parameters: PERE=renewable primary energy ex. raw materials | PERM=renewable primary energy used as raw materials | PERT=renewable primary energy total | PENRE=non-renewable primary energy ex. raw materials | PENRM=non-renewable primary energy used as raw materials | PENRT=non-renewable primary energy total | SM=use of secondary material | RSF=use of renewable secondary fuels | NRSF=use of non-renewable secondary fuels | FW=use of net fresh water | HWD=hazardous waste disposed | NHWD=non hazardous waste disposed | RWD=radioactive waste disposed | CRU=Components for re-use | MFR=Materials for recycling | MER=Materials for energy recovery | EE=Exported energy

ADDITIONAL INFORMATION

Allocation

There is no allocation applied for the environmental profiles / datasets used in this LCA.