

ENVIRONMENTAL PRODUCT DECLARATION

According to ISO 14025 and EN 15804

studio
wae

WAE MODULAR CARPET (FROM WASTE MATERIAL)

COMPANY INFORMATION / DECLARATION OWNER

Manufacturer: Studio Wae
Production Location: Productie locatie Tapijt tegel Studio Wae
Address: studio wae Utrecht
35 Utrecht
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Website: www.studiowae.nl

EPD INFORMATION

Calculation number: EPD-NIBE-20200207-7834
Date of issue:
End of validity:
Version NIBE's EPD Application: v2.0
Version database: v2.86 (2020-01-08)
PCR: Horizontal PCR INSIDE/INSIDE v1.2
2018-12-10

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

DECLARED UNIT

Een vierkante meter vloerafwerking

Vloerafwerking inclusief bevestiging, toegepast in een kantoor, gedurende een periode van 10 jaar, vergeleken per functionele eenheid van 1 m². De vloerafwerkingen voldoen minimaal aan de klasse 33 (voor zwaar gebruik in de utiliteitsfunctie), volgens ISO 10874:2009.

SCOPE OF DECLARATION

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	MND	MND	MND	MND	X	X	X	X	X

(X = included, MND = module not declared)

PRODUCT DESCRIPTION

Geometrische tapijttegel gemaakt van 100% hergebruikte tapijttegels die zijn gewonnen uit Urban Mining of als afvalstroom (zonder een economische waarde) vanuit de fabriek. Per tegel is er een minimaal gebruik aan primair materiaal (alleen de verlijming) dit is bij de productie berekend op 3 gram per tegel (maximaal lijm verbruik).

DESCRIPTION OF THE MANUFACTURING PROCESS

De afgedankte tapijttegels (uit slooppanden of productie) worden naar de werkplaats getransporteerd, waarna ze gesorteerd worden en er de geometrische vorm er uit wordt gesneden, dit gebeurt elektrisch. Waarna de (eventueel) verpakt worden en getransporteerd naar de bestemming.

Transport is nu op 1tonkm gezet conform de inside/inside methodiek.

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RESULTS

Impact category	Unit	A1	A2	A3	A4	A5	B1	B2	B3	C1	C2	C3	C4	D	Total
ADPE	Kg Sb	7.32E-7	2.29E-7	8.72E-7	1.61E-9	8.26E-8	0.00E+0	0.00E+0	0.00E+0	0.00E+0	1.24E-7	7.55E-7	1.06E-10	-1.80E-9	2.79E-6
ADPF	MJ	4.65E+0	1.24E+0	9.29E+0	8.68E-3	4.33E-1	0.00E+0	0.00E+0	0.00E+0	0.00E+0	6.68E-1	2.66E+0	1.93E-3	-6.71E-1	1.83E+1
AP	Kg SO2 Equiv.	6.95E-4	3.49E-4	2.02E-3	2.45E-6	-1.79E-5	0.00E+0	0.00E+0	0.00E+0	0.00E+0	1.89E-4	1.17E-3	5.45E-7	-3.38E-5	4.38E-3
ODP	Kg CFC-11 Equiv.	2.30E-8	1.48E-8	3.89E-8	1.04E-10	3.31E-9	0.00E+0	0.00E+0	0.00E+0	0.00E+0	8.02E-9	9.35E-8	2.01E-11	-3.07E-9	1.79E-7
GWP	Kg CO2 Equiv.	1.65E-1	8.05E-2	5.94E-1	5.65E-4	1.32E-1	0.00E+0	0.00E+0	0.00E+0	0.00E+0	4.35E-2	3.36E+0	9.49E-4	-3.17E-2	4.35E+0
EP	Kg PO43- Equiv.	4.67E-4	6.98E-5	4.35E-4	4.90E-7	-1.77E-5	0.00E+0	0.00E+0	0.00E+0	0.00E+0	3.78E-5	2.00E-4	2.13E-7	-3.64E-6	1.19E-3
POCP	Kg Ethene Equiv.	2.00E-4	4.75E-5	1.83E-4	3.33E-7	-6.73E-6	0.00E+0	0.00E+0	0.00E+0	0.00E+0	2.57E-5	1.07E-4	2.17E-7	-1.05E-5	5.47E-4
Parameter	Unit	A1	A2	A3	A4	A5	B1	B2	B3	C1	C2	C3	C4	D	Total
PERE	MJ	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0
PERM	MJ	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0
PERT	MJ	1.63E-1	1.70E-2	3.47E+0	1.19E-4	-	0.00E+0	0.00E+0	0.00E+0	0.00E+0	9.16E-3	2.34E-1	6.09E-5	-3.10E-3	1.15E+0
PENRE	MJ	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0
PENRM	MJ	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0
PENRT	MJ	5.01E+0	1.32E+0	9.22E+0	9.30E-3	4.33E-1	0.00E+0	0.00E+0	0.00E+0	0.00E+0	7.16E-1	2.55E+0	2.06E-3	-7.20E-1	1.85E+1
SM	Kg	4.00E+0	0.00E+0	6.00E-1	0.00E+0	1.38E-1	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	4.74E+0
RSF	MJ	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	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	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0
FW	M3	1.51E-3	2.38E-4	4.85E-3	1.67E-6	4.68E-4	0.00E+0	0.00E+0	0.00E+0	0.00E+0	1.29E-4	2.57E-3	2.05E-6	-5.64E-5	9.71E-3
HWD	Kg	1.54E-5	9.15E-6	4.42E-5	6.42E-8	-2.71E-6	0.00E+0	0.00E+0	0.00E+0	0.00E+0	4.95E-6	1.75E-5	1.31E-8	-7.88E-7	8.78E-5
NHWD	Kg	1.23E-2	7.61E-2	5.41E-2	5.34E-4	3.36E-2	0.00E+0	0.00E+0	0.00E+0	0.00E+0	4.12E-2	7.72E-2	7.49E-3	-2.04E-4	3.02E-1
RWD	Kg	1.26E-5	8.38E-6	2.81E-5	5.88E-8	1.81E-6	0.00E+0	0.00E+0	0.00E+0	0.00E+0	4.53E-6	8.54E-6	1.16E-8	-2.21E-7	6.38E-5
CRU	Kg	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	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	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	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	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0
EE	MJ	0.00E+0	0.00E+0	4.73E-2	0.00E+0	8.07E-2	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	3.15E-1	4.44E-1
EET	MJ	0.00E+0	0.00E+0	2.99E-2	0.00E+0	5.11E-2	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	2.00E-1	2.81E-1
EEE	MJ	0.00E+0	0.00E+0	1.74E-2	0.00E+0	2.96E-2	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	1.16E-1	1.63E-1
SP	s€	s€ 0,02	s€ 0,01	s€ 0,04	s€ 0,00	s€ 0,01	s€ 0,00	s€ 0,00	s€ 0,00	s€ 0,00	s€ 0,00	s€ 0,18	s€ 0,00	s€ 0,00	s€ 0,25

Impact categories: ADPE=Depletion of abiotic resources-elements | ADPF=abiotic depletion of fossil resources | AP=Acidification of soil and water | ODP=Ozone layer depletion | GWP=Global warming | EP=Eutrophication | POCP=Photochemical oxidants creation

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 | EET=Exported Energy Thermic | EEE=Exported Energy Electric

ADDITIONAL INFORMATION

Allocation

Environmental profile	Explanation of used allocation method
Secondary raw material, free of burden (without primary equivalent)	in accordance with EN15804, the required processes to end-of-waste-point of the raw material are assigned to the previous life cycle, therefore the material becomes available free of burden.