

Environmental Data Sheet

Self-declaration based on Environdec Sub-PCR-H Cement and building limes (EN 16908)

Manufacturer:	Finnsementti Oy, Skräbbölenie 18, FI-21600, Parainen (FI)
Declared unit:	1 ton of cement
Production site(s):	Parainen
Scope:	A1-A3
Methodology:	CSI EPD Tool v1.5 / CML v4.7
Date of issue:	16.11.2018
Comment:	All information about goal and scope necessary for results interpretation by the EPD verifier are present in the latest version of the "LCA core model and database report".

	PA Plus	PA Rapid	PA Pika	
Environmental impacts				
Global warming potential, GWP (100 years)	657.72	757.60	797.94	kg CO2-eq.
Depletion potential of the stratospheric ozone layer, ODP	0.00	0.00	0.00	kg CFC 11-eq.
Acidification potential of soil and water, AP	1.06	1.19	1.26	kg SO2-eq.
Eutrophication potential, EP	0.30	0.34	0.36	kg PO43- -eq.
Formation potential of tropospheric ozone, POCP	0.08	0.09	0.09	kg ethylene -eq.
Abiotic depletion potential for non-fossil resources, ADP-elements	0.00	0.00	0.00	kg Sb-eq.
Abiotic depletion potential for fossil resources, ADP-fossil fuels	1338.93	1496.10	1588.55	MJ
Human toxicity potential, HTP	83.05	94.33	100.27	kg p-DCB-eq.
Freshwater aquatic ecotoxicity potential, FAETP	36.65	39.59	44.31	kg p-DCB-eq.
Marine aquatic ecotoxicity potential, MAETP	91641.81	100900.29	109598.68	kg p-DCB-eq.
Terrestrial ecotoxicity potential, TETP	1.39	1.58	1.70	kg p-DCB-eq.
Resource use				
Renewable primary energy used as energy resource	441.07	463.40	535.19	MJ
Renewable primary energy used as raw materials	0.00	0.00	0.00	MJ
Total renewable primary energy	441.07	463.40	535.19	MJ
Non-renewable primary energy used as energy resource	1850.53	2031.44	2214.29	MJ
Non-renewable primary energy used as raw materials	0.00	0.00	0.00	MJ
Total non-renewable primary energy	1850.53	2031.44	2214.29	MJ
Secondary material	189.32	61.07	64.92	kg
Renewable secondary fuels	236.28	273.63	287.79	MJ
Non-renewable secondary fuels	382.71	443.20	466.15	MJ
Net fresh water	5.51	5.85	6.45	m³
Waste*				
Hazardous waste disposed	0.06	0.07	0.07	kg
Non-hazardous waste disposed	9.81	11.36	11.95	kg
Radioactive waste disposed	0.00	0.00	0.00	kg
Output flows*				
Components for re-use	0.00	0.00	0.00	kg
Materials for recycling	0.50	0.58	0.61	kg
Materials for energy recovery	0.00	0.00	0.00	kg
Exported energy	38.87	45.01	47.34	MJ
Extra indicators*				
Electricity use	101.00	105.47	124.12	kWh
Total dust	0.04	0.05	0.05	kg

* The contribution of activities situated upstream of the clinker manufacturing are not included in the results.