FINNSEMENTTI
A CRH COMPANY

Environmental Data Sheet

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

Manufacturer:	Finnsementti Oy, Skräbbölentie 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:	15.5.2019
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”.

	Parainen			
Environmental impacts	**Plus**	**Rapid**	**Pika**	
Global warming potential, GWP (100 years)	616.04	716.08	763.73	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	0.97	1.04	1.13	kg SO2-eq.
Eutrophication potential, EP	0.30	0.30	0.33	kg PO43- -eq.
Formation potential of tropospheric ozone, POCP	0.06	0.06	0.07	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	1140.98	1238.13	1338.93	MJ
Human toxicity potential, HTP	82.01	92.76	100.18	kg p-DCB-eq.
Freshwater aquatic ecotoxicity potential, FAETP	39.41	38.53	44.25	kg p-DCB-eq.
Marine aquatic ecotoxicity potential, MAETP	132143.57	146843.93	161071.61	kg p-DCB-eq.
Terrestrial ecotoxicity potential, TETP	2.68	1.44	1.58	kg p-DCB-eq.
Resource use				
Renewable primary energy used as energy resource	550.44	517.53	613.28	MJ
Renewable primary energy used as raw materials	0.00	0.00	0.00	MJ
Total renewable primary energy	550.44	517.53	613.28	MJ
Non-renewable primary energy used as energy resource	1630.97	1743.33	1944.82	MJ
Non-renewable primary energy used as raw materials	0.00	0.00	0.00	MJ
Total non-renewable primary energy	1630.97	1743.33	1944.82	MJ
Secondary material	231.88	86.13	80.40	kg
Renewable secondary fuels	242.50	285.03	303.35	MJ
Non-renewable secondary fuels	673.90	792.10	843.00	MJ
Net fresh water	5.48	5.52	6.22	m^3
Waste*				
Hazardous waste disposed	0.03	0.04	0.04	kg
Non-hazardous waste disposed	7.30	8.59	9.14	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	0.34	0.40	0.42	kg
Materials for energy recovery	0.08	0.10	0.11	kg
Exported energy	42.08	49.46	52.64	MJ
Extra indicators*				
Electricity use	100.53	104.73	126.51	kWh
Total dust	0.04	0.04	0.04	kg

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