

Environmental Data Sheet

Self-Declaration based on PCA/ASTM PCR UN CPC 3744 Cement (v1.0)

Rioclaro cemento UG con arcillas

Manufacturer: (FL)
Declared unit: 1 metric ton of cement
Product identification: Rioclaro cemento UG con arcillas,0000000
Production site(s): Rioclaro
Scope: cradle to gate
Methodology: PCA-CSI EPD calculator 1.5 / TRACI v2.1
Date of issue: 2019-04-09
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 (US version of CSI's EPD Tool)".

Environmental impact categories	A1-A3	A4	Total	
Global warming potential, GWP (100 years)	5.54E2	N/A	5.54E2	kg CO2-eq.
Acidification potential, AP	1.77E0	N/A	1.77E0	kg SO2-eq.
Eutrophication potential, EP	1.06E0	N/A	1.06E0	kg N -eq.
Formation potential of tropospheric ozone, POCP	2.87E1	N/A	2.87E1	kg O3-eq.
Ozone depletion potential, ODP	1.07E-5	N/A	1.07E-5	kg CFC 11-eq.
Human toxicity potential, carcinogenics, HTPC	N/A	N/A	N/A	CTUh
Human toxicity potential, non-carcinogenics, HTPNC	N/A	N/A	N/A	CTUh
Human toxicity potential, respiratory effects, HTPRE	N/A	N/A	N/A	kg PM2.5-eq.
Ecotoxicity potential, ETP	N/A	N/A	N/A	CTUe

Total primary energy consumption	A1-A3	A4	Total	
Non-renewable primary energy (fossil)	3.28E3	N/A	3.28E3	MJ
Non-renewable primary energy (nuclear)	2.32E1	N/A	2.32E1	MJ
Renewable primary energy (solar, wind, hydroelectric, geothermal)	9.38E1	N/A	9.38E1	MJ
Renewable primary energy (biomass)	1.79E1	N/A	1.79E1	MJ

Material resources consumption	A1-A3	A4	Total	
Non-renewable material resources	1.36E3	N/A	1.36E3	kg
Renewable material resources	7.09E-1	N/A	7.09E-1	kg
Net fresh water (inputs minus outputs)	4.03E3	N/A	4.03E3	L

Waste generation	A1-A3	A4	Total	
Non-hazardous waste generated*	3.26E0	N/A	3.26E0	kg
Hazardous waste generated*	3.40E-2	N/A	3.40E-2	kg

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