

Sustainable Development KPIs, Holcim Romania: 2008-2012

1) Environmental performance	2008	2009	2010	2011	2012
Number of plants included in evaluation	23	19	25	24	21
Cement	2	2	2	2	2
Aggregates	5	2	6	5	5
Ready-mix concrete	16	15	17	17	14

2) Environmental compliance	2008	2009	2010	2011	2012
Number of plants/quarries reporting non-compliance cases					
- Cement	0	0	0	0	0
- Aggregates	0	0	1	0	0
- Ready-mix concrete	2	4	1	1	0
Non-compliance cases					
-Cement	0	0	0	0	0
-Aggregates	0	0	1	0	0
-Ready-mix concrete	2	0	1	1	0
Associated fines and penalties [mil RON]					
- Cement	0	0	0	0	0
- Aggregates	0	0	0,004	0	0
- Ready-mix concrete	0,022	0	0,024	0,012	0

3) Reducing CO ₂ emissions	2008	2009	2010	2011	2012
Verified EU-ETS emissions [kt CO ₂ /yr]	1867,5	1674,9	1474,0	1688,9	1598,6

3) Energy	2008	2009	2010	2011	2012
Traditional fossil fuel rate [%]	92,0	88,4	80,5	81,5	81,4
Thermal substitution rate [%]	8,0	11,6	19,5	18,5	18,6
Fuel consumption (specific MJ/t)					
-Cement	2.270	2.459	2.702	2.791	2.763
-Aggregates	0,01	0,01	0,02	0,02	0,01
-Ready-mix concrete (MJ/m ³)	17,15	16,35	17,35	9,90	9,58
Power consumption (specific kWh/t)					
-Cement	95,82	100,78	99,47	69,3	71,65
-Aggregates	0,00	0,12	0,76	0,37	0,98
-Ready-mix concrete	2,63	5,69	3,86	3,90	3,30

4) Other atmospheric emissions	2008	2009	2010	2011	2012
NOx					
-Number of kilns reporting	2	2	2	2	2
-Total emissions (tonne/a)	3461	3180	2511	2591	2466
-Average specific concentration (g/tonne cementitious materials)	1150	1179	1072	946	933
SO ₂					
-Number of kilns reporting	2	2	2	2	2
-Total emissions (tonne/a)	393	127	84	173	348
-Average specific concentration (g/tonne cementitious materials)	131	47	36	63	132
Dust					
-Number of kilns reporting	2	2	2	2	2
-Total emissions (tonne/a)	168	12	16	18	12
-Average specific concentration (g/tonne cementitious materials)	56	5	7	6	5
Organics					
-Number of kilns reporting	2	2	2	2	2
-Total emissions (tonne/a)	83,00	80,00	125,00	77,71	93,02
-Average specific concentration (g/tonne cementitious materials)	28	29,65	53,38	68,63	77,38

5) Biodiversity and resources conservation	2008	2009	2010	2011	2012
No of sites operating in environmentally sensitive areas					
-Cement	0	0	0	0	0
-Aggregates	0	0	1 out of 6	1 out of 5	1 out of 5
-Ready-mix concrete	0	0	0	0	0
Approved mining plans by local authorities					
-Cement	100	100	100	100	100
-Aggregates	100	100	100	100	100
% of sites with quarry rehabilitation plans in place					
-Cement	100	100	100	100	100
-Aggregates	100	100	100	100	100

6) Water	2008	2009	2010	2011	2012
Water consumption l/t					
-Cement [l/t clinker]	135	128	153	101	81
-Aggregates	973	1.053	1.422	1.764	1.464
-Ready-mix concrete (l/m ³)	203	265	235	193	201
Water recycling system (%)					
Cement	72,5	72,5	72,5	72,5	72,5
Aggregates	0	50	16,60	16,2	28,3
Ready-mix concrete	80	100	100	100	100

Sustainable Development KPIs, Holcim Romania: 2008-2012

7) OH&S Performance	2008	2009	2010	2011	2012
Fatalities					
-own personnel	0	0	0	0	0
-subcontracted personnel	0	0	0	0	0
-third party personnel	0	1	0	0	0
-visitors	0	0	0	0	0
-others	0	1	0	0	0
LTI					
-own personnel	3	0	0	1	1
-subcontracted personnel	0	0	1	0	0
-third party personnel	4	4	1	0	1
-visitors	0	0	0	0	0
-others	0	0	0	1	0
Injuries causing permanent disability					
-own personnel	0	0	0	0	0
-subcontracted personnel	0	0	0	0	0
-third party personnel	0	0	0	0	0
-visitors	0	0	0	0	0
-others	0	0	0	0	0
8) Employment practices					
Employee turnover	4,84	5,59	4,38	4,73	5,21
Labor cost ratio %	iul.68	10.mar	nov.69	oct.50	oct.70
% female workforce	24.41%	24.73%	26.34%	26.83%	27.79%
9) Training					
% of trainings according to Individual Development Plan		0,27	0,34	0,67	0,78
Average training cost per trained employee (RON)		1410	1303	1811	1159
Average training hours per employee		23	46	52	44
Training Cost Ratio %	3.34%	1.85%	1.72%	2.07%	1.35%
10) Transportation					
Customer satisfaction level					
-Target	96%	96%	96%	96%	96%
-Realized	99.99%	99.92%	99.99%	99.99%	99.97%
Transport emissions					
Road (%)	CO2 reduction	-6%	11%	-4%	4%
Cement (kg CO2/t)		11,39	10,68	11,90	11,82