

Start Date:	01/01/2004
End Date:	31/12/2004
Source of Data:	CSMA (Cementitious Slag Makers Association)
Geography:	UK
LCA Methodology:	BRE Environmental Profiles Methodology 2008
Allocation:	100% to product
Date of Data Entry:	12/03/2007
Boundary:	Cradle to Gate
Comments:	The BRE methodology allocates the impacts of steel production to Blastfurnace Slag according to the relative value of the product streams. This Profile does not include these allocated impacts and only includes the impacts associated with the processing

<i>Issue</i>	<i>Characterised Data</i>	<i>Unit</i>
Climate Change	76	kg CO2 eq. (100yr)
Water Extraction	0.52	m ³
Mineral Resource Extraction	0.029	tonnes
Stratospheric Ozone Depletion	0.000049	kg CFC11 eq.
Human Toxicity	16	kg 1,4-DB eq.
Ecotoxicity to Freshwater	1.6	kg 1,4-DB eq.
Nuclear Waste (higher level)	0.00000019	m ³ high level waste
Ecotoxicity to Land	0.16	kg 1,4-DB eq.
Waste Disposal	1.8	kg
Fossil Fuel Depletion	1100	MJ
Eutrophication	0.034	kg PO4 eq.
Photochemical Ozone Creation	0.026	kg ethene eq.
Acidification	0.25	kg SO2 eq.

<i>Issue</i>	<i>Normalised Data</i>	<i>Western European Citizen's Impacts</i>
Climate Change	0.0062	12300 kg CO2 eq. (100yr)
Water Extraction	0.0014	378 m ³
Mineral Resource Extraction	0.0012	24.4 tonnes
Stratospheric Ozone Depletion	0.00023	0.217 kg CFC11 eq.
Human Toxicity	0.00079	19700 kg 1,4-DB eq.
Ecotoxicity to Freshwater	0.0012	1320 kg 1,4-DB eq.
Nuclear Waste (higher level)	0.0082	2.37E-05 m ³ high level waste
Ecotoxicity to Land	0.0013	123 kg 1,4-DB eq.
Waste Disposal	0.00049	3750 kg
Fossil Fuel Depletion	0.004	273 GJ
Eutrophication	0.0011	32.5 kg PO4 eq.
Photochemical Ozone Creation	0.0012	21.5 kg ethene eq.
Acidification	0.0036	71.2 kg SO2 eq.

<i>BRE Ecopoints Score</i>	0.28	<i>Ecopoints</i>
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