



Approved Environmental Profile

Characterised and Normalised Data for:

1 square metre over 60 Year Study Period: External Wall Construction:
 Rainscreen cladding on steel frame with timber stud infill (ex wall type 7.1b):
 VMZINC overlapping panels in QUARTZ ZINC on timber battens, structural steel
 frame, breather membrane, insulation, OSB/3 sheathing board, timber stud with
 insulation, plasterboard on battens, paint

Quality of Data for Profiled Material (Data for other constituent materials are available from BRE Global)

Start Date: 01/01/2007 Source of Data: Company production records
 End Date: 31/12/2007 Geography: France
 Representativeness: 1 Site Representing 100% of Production
 LCA Methodology: BRE Environmental Profiles Methodology 2008
 Allocation: 100% to product
 Date of Data Entry: 19/11/2009
 Boundary: Cradle to Grave over 60 Year Study Period
 Applicable Buildings: All building types
 Comments:

Issue	Characterised Data	Unit
Climate Change	72	kg CO2 eq. (100yr)
Water Extraction	3.5	m ³
Mineral Resource Extraction	0.42	tonnes
Stratospheric Ozone Depletion	0.000088	kg CFC11 eq.
Human Toxicity	59	kg 1,4-DB eq
Ecotoxicity to Freshwater	4.3	kg 1,4-DB eq
Nuclear Waste (higher level)	0.00000023	m ³ high level waste
Ecotoxicity to Land	0.32	kg 1,4-DB eq
Waste Disposal	46	kg
Fossil Fuel Depletion	1200	MJ
Eutrophication	0.063	kg PO4 eq.
Photochemical Ozone Creation	0.13	kg ethene eq.
Acidification	0.76	kg SO2 eq.

Issue	Normalised Data	Western European Citizen's Impacts
Climate Change	0.0059	12300 kg CO2 eq. (100yr)
Water Extraction	0.0093	378 m ³
Mineral Resource Extraction	0.017	24.4 tonnes
Stratospheric Ozone Depletion	0.00041	0.217 kg CFC11 eq.
Human Toxicity	0.003	19700 kg 1,4-DB eq.
Ecotoxicity to Freshwater	0.0033	1320 kg 1,4-DB eq.
Nuclear Waste (higher level)	0.0097	2.37E-05 m ³ high level waste
Ecotoxicity to Land	0.0026	123 kg 1,4-DB eq.
Waste Disposal	0.012	3750 kg
Fossil Fuel Depletion	0.0045	273 GJ
Eutrophication	0.0019	32.5 kg PO4 eq.
Photochemical Ozone Creation	0.0059	21.5 kg ethene eq.
Acidification	0.011	71.2 kg SO2 eq.

BRE Ecopoints Score	0.68	Ecopoints
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Appendix No: 401 f

Issue No: 3

Signed On Behalf of BRE Global:

Valid From: 13/07/2010

Last Revised: 08/02/2013

E Baker

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