

Appendix to Certificate of Verification

Appendix Number: ENP427k Issue: 2

ROCKPANEL Group
 Konstruktieweg 2
 6045 JD
 Roermond
 The Netherlands

Characterised and normalised data for: External Wall Construction: Rainscreen cladding on concrete frame with block infill (ex wall type 7.2a)

Rockpanel Durable Protect Plus and timber battens,
 breather membrane, insulation, structural concrete
 frame, lightweight solid blockwork with cement
 mortar, plasterboard on battens, paint



Quality of data for profiled material

Start date	1/1/2013
End Date	12/31/2013
Representativeness	1 site representing 100% production
LCA Methodology	BRE Environmental Profiles Methodology 2008
Allocation	100% to product
Date of data entry	9/23/2015
Boundary	Cradle to Grave over 60-year study period
Applicable buildings	All building types
Source of data	Company records
Geography	The Netherlands

(Data for other constituent materials are available from BRE Global)

BRE Ecopoints score: 0.436 Ecopoints

This certificate appendix is maintained and held in force through annual review and verification.

Signed for BRE Global Ltd.

Laura Critien
 Certification Scheme Manager

19 April 2016
 Date of Issue

18 April 2019
 Expiry Date



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Characterised Data

Issue	Value	Unit
Climate Change	75.6	kg CO ₂ eq (100 yr.)
Water Extraction	0.705	m ³
Mineral Resource Extraction	0.173	tonnes
Stratospheric Ozone Depletion	0.000091	kg CFC11 eq.
Human Toxicity	42.6	kg 1,4-DB eq.
Ecotoxicity to Freshwater	4.58	kg 1,4-DB eq.
Nuclear Waste (higher level)	0.000000714	m ³ high level waste
Ecotoxicity to Land	0.128	kg 1,4-DB eq.
Waste Disposal	50.6	kg
Fossil Fuel Depletion	1220	MJ
Eutrophication	0.0612	kg PO ₄ eq.
Photochemical Ozone Creation	0.0974	kg ethene eq.
Acidification	0.731	kg SO ₂ eq.

Normalised data

Issue	Value	Western European Citizen's Annual Impacts
Climate Change	0.00615	12300 kg CO ₂ eq (100 yr.)
Water Extraction	0.00187	378 m ³
Mineral Resource Extraction	0.00709	24.4 tonnes
Stratospheric Ozone Depletion	0.000419	0.217 kg CFC11 eq.
Human Toxicity	0.00216	19700 kg 1,4-DB eq.
Ecotoxicity to Freshwater	0.00348	1320 kg 1,4-DB eq.
Nuclear Waste (higher level)	0.00301	2.37 x 10 ⁻⁵ m ³ high level waste
Ecotoxicity to Land	0.00104	123 kg 1,4-DB eq.
Waste Disposal	0.0135	3750 kg
Fossil Fuel Depletion	0.00447	273 GJ
Eutrophication	0.00188	32.5 kg PO ₄ eq.
Photochemical Ozone Creation	0.00452	21.5 kg ethene eq.
Acidification	0.0103	71.2 kg SO ₂ eq.

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