

Appendix to Certificate of Verification

Appendix Number: ENP427I 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 aluminium rails,
 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: 0.53 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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Appendix No: ENP4271

Issue: 2

ROCKPANEL Group

Konstruktieweg 2
6045 JD
Roermond
The Netherlands

External Wall Construction: Rainscreen cladding on concrete frame with block infill (ex wall type 7.2a)

Rockpanel Durable Protect Plus and aluminium rails, breather membrane, insulation, structural concrete frame, lightweight

Characterised Data

Issue	Value	Unit
Climate Change	93.2	kg CO ₂ eq (100 yr.)
Water Extraction	0.729	m ³
Mineral Resource Extraction	0.181	tonnes
Stratospheric Ozone Depletion	0.0000872	kg CFC11 eq.
Human Toxicity	82.2	kg 1,4-DB eq.
Ecotoxicity to Freshwater	9.37	kg 1,4-DB eq.
Nuclear Waste (higher level)	0.00000011	m ³ high level waste
Ecotoxicity to Land	0.136	kg 1,4-DB eq..
Waste Disposal	47.8	kg
Fossil Fuel Depletion	1370	MJ
Eutrophication	0.0653	kg PO ₄ eq.
Photochemical Ozone Creation	0.0756	kg ethene eq.
Acidification	0.82	kg SO ₂ eq.

Normalised data

Issue	Value	Western European Citizen's Annual Impacts
Climate Change	0.00758	12300 kg CO ₂ eq (100 yr.)
Water Extraction	0.00193	378 m ³
Mineral Resource Extraction	0.00742	24.4 tonnes
Stratospheric Ozone Depletion	0.000402	0.217 kg CFC11 eq.
Human Toxicity	0.00416	19700 kg 1,4-DB eq.
Ecotoxicity to Freshwater	0.00712	1320 kg 1,4-DB eq.
Nuclear Waste (higher level)	0.00465	2.37 x 10 ⁻⁵ m ³ high level waste
Ecotoxicity to Land	0.00111	123 kg 1,4-DB eq..
Waste Disposal	0.0128	3750 kg
Fossil Fuel Depletion	0.00502	273 GJ
Eutrophication	0.00201	32.5 kg PO ₄ eq.
Photochemical Ozone Creation	0.00351	21.5 kg ethene eq.
Acidification	0.0115	71.2 kg SO ₂ eq.

BRE Ecopoints score: 0.53 Ecopoints

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