

## Appendix to Certificate of Verification

Appendix Number: ENP427j 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 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: 0.525 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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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 and aluminium rails, breather membrane, insulation, structural concrete frame, lightweight solid

#### Characterised Data

Issue	Value	Unit
Climate Change	91.8	kg CO <sub>2</sub> eq (100 yr.)
Water Extraction	0.678	m <sup>3</sup>
Mineral Resource Extraction	0.181	tonnes
Stratospheric Ozone Depletion	0.0000851	kg CFC11 eq.
Human Toxicity	82.2	kg 1,4-DB eq.
Ecotoxicity to Freshwater	9.4	kg 1,4-DB eq.
Nuclear Waste (higher level)	0.000000112	m <sup>3</sup> high level waste
Ecotoxicity to Land	0.132	kg 1,4-DB eq.
Waste Disposal	47.9	kg
Fossil Fuel Depletion	1340	MJ
Eutrophication	0.0641	kg PO <sub>4</sub> eq.
Photochemical Ozone Creation	0.0746	kg ethene eq.
Acidification	0.81	kg SO <sub>2</sub> eq.

#### Normalised data

Issue	Value	Western European Citizen's Annual Impacts
Climate Change	0.00747	12300 kg CO <sub>2</sub> eq (100 yr.)
Water Extraction	0.00179	378 m <sup>3</sup>
Mineral Resource Extraction	0.00741	24.4 tonnes
Stratospheric Ozone Depletion	0.000392	0.217 kg CFC11 eq.
Human Toxicity	0.00416	19700 kg 1,4-DB eq.
Ecotoxicity to Freshwater	0.00714	1320 kg 1,4-DB eq.
Nuclear Waste (higher level)	0.0047	2.37 x 10 <sup>-5</sup> m <sup>3</sup> high level waste
Ecotoxicity to Land	0.00108	123 kg 1,4-DB eq.
Waste Disposal	0.0128	3750 kg
Fossil Fuel Depletion	0.00492	273 GJ
Eutrophication	0.00197	32.5 kg PO <sub>4</sub> eq.
Photochemical Ozone Creation	0.00346	21.5 kg ethene eq.
Acidification	0.0114	71.2 kg SO <sub>2</sub> eq.

**BRE Ecopoints score: 0.525 Ecopoints**

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