

## 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 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: 0.431 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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BRE Global Ltd., Garston, Watford WD25 9XX.  
 T: +44 (0)333 321 8811 E: [Enquiries@breglobal.com](mailto:Enquiries@breglobal.com)



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Issue: 2

### ROCKPANEL Group

Konstruktieweg 2  
6045 JD  
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The Netherlands

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

Rockpanel Durable and timber battens, breather membrane, insulation, structural concrete frame, lightweight solid

#### Characterised Data

Issue	Value	Unit
Climate Change	74.2	kg CO <sub>2</sub> eq (100 yr.)
Water Extraction	0.654	m <sup>3</sup>
Mineral Resource Extraction	0.173	tonnes
Stratospheric Ozone Depletion	0.0000889	kg CFC11 eq.
Human Toxicity	42.5	kg 1,4-DB eq.
Ecotoxicity to Freshwater	4.61	kg 1,4-DB eq.
Nuclear Waste (higher level)	0.000000727	m <sup>3</sup> high level waste
Ecotoxicity to Land	0.124	kg 1,4-DB eq..
Waste Disposal	50.7	kg
Fossil Fuel Depletion	1190	MJ
Eutrophication	0.06	kg PO <sub>4</sub> eq.
Photochemical Ozone Creation	0.0964	kg ethene eq.
Acidification	0.722	kg SO <sub>2</sub> eq.

#### Normalised data

Issue	Value	Western European Citizen's Annual Impacts
Climate Change	0.00603	12300 kg CO <sub>2</sub> eq (100 yr.)
Water Extraction	0.00173	378 m <sup>3</sup>
Mineral Resource Extraction	0.00708	24.4 tonnes
Stratospheric Ozone Depletion	0.000409	0.217 kg CFC11 eq.
Human Toxicity	0.00215	19700 kg 1,4-DB eq.
Ecotoxicity to Freshwater	0.0035	1320 kg 1,4-DB eq.
Nuclear Waste (higher level)	0.00307	2.37 x 10 <sup>-5</sup> m <sup>3</sup> high level waste
Ecotoxicity to Land	0.00101	123 kg 1,4-DB eq..
Waste Disposal	0.0135	3750 kg
Fossil Fuel Depletion	0.00437	273 GJ
Eutrophication	0.00185	32.5 kg PO <sub>4</sub> eq.
Photochemical Ozone Creation	0.00448	21.5 kg ethene eq.
Acidification	0.0101	71.2 kg SO <sub>2</sub> eq.

**BRE Ecopoints score: 0.431 Ecopoints**

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