

## Appendix to Certificate of Verification

Appendix Number: ENP427e Issue: 2

**ROCKPANEL Group**  
 Konstruktieweg 2  
 6045 JD  
 Roermond  
 The Netherlands

### Characterised and normalised data for: External Wall Construction: Rainscreen cladding on steel frame with timber stud infill (ex wall type 7.1b)

Rockpanel Durable and timber battens, breather  
 membrane, insulation, structural steel frame,  
 sheathing ply, timber stud, 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: 0.47 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 steel frame with timber stud infill (ex wall type 7.1b)

Rockpanel Durable and timber battens, breather membrane, insulation, structural steel frame, sheathing ply, timber stud,

#### Characterised Data

Issue	Value	Unit
Climate Change	70.6	kg CO <sub>2</sub> eq (100 yr.)
Water Extraction	0.907	m <sup>3</sup>
Mineral Resource Extraction	0.071	tonnes
Stratospheric Ozone Depletion	0.0000977	kg CFC11 eq.
Human Toxicity	63.3	kg 1,4-DB eq.
Ecotoxicity to Freshwater	6.32	kg 1,4-DB eq.
Nuclear Waste (higher level)	0.00000015	m <sup>3</sup> high level waste
Ecotoxicity to Land	0.297	kg 1,4-DB eq..
Waste Disposal	58.2	kg
Fossil Fuel Depletion	1470	MJ
Eutrophication	0.0666	kg PO <sub>4</sub> eq.
Photochemical Ozone Creation	0.116	kg ethene eq.
Acidification	0.731	kg SO <sub>2</sub> eq.

#### Normalised data

Issue	Value	Western European Citizen's Annual Impacts
Climate Change	0.00574	12300 kg CO <sub>2</sub> eq (100 yr.)
Water Extraction	0.0024	378 m <sup>3</sup>
Mineral Resource Extraction	0.00291	24.4 tonnes
Stratospheric Ozone Depletion	0.00045	0.217 kg CFC11 eq.
Human Toxicity	0.00321	19700 kg 1,4-DB eq.
Ecotoxicity to Freshwater	0.0048	1320 kg 1,4-DB eq.
Nuclear Waste (higher level)	0.00632	2.37 x 10 <sup>-5</sup> m <sup>3</sup> high level waste
Ecotoxicity to Land	0.00241	123 kg 1,4-DB eq..
Waste Disposal	0.0155	3750 kg
Fossil Fuel Depletion	0.00538	273 GJ
Eutrophication	0.00205	32.5 kg PO <sub>4</sub> eq.
Photochemical Ozone Creation	0.00538	21.5 kg ethene eq.
Acidification	0.0103	71.2 kg SO <sub>2</sub> eq.

**BRE Ecopoints score: 0.47 Ecopoints**

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