

## Appendix to Certificate of Verification

Appendix Number: ENP427p 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 timber stud infill (ex wall type 7.2b)

Rockpanel Durable ProtectPlus and timber battens,  
 breather membrane, insulation, structural concrete  
 frame, sheathing ply, timber stud with insulation,  
 polyethylene sheet VCL, 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: 0.423 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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### ROCKPANEL Group

Konstruktieweg 2  
6045 JD  
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### External Wall Construction: Rainscreen cladding on concrete frame with timber stud infill (ex wall type 7.2b)

Rockpanel Durable ProtectPlus and timber battens, breather membrane, insulation, structural concrete frame, sheathing

#### Characterised Data

Issue	Value	Unit
Climate Change	52.2	kg CO <sub>2</sub> eq (100 yr.)
Water Extraction	0.989	m <sup>3</sup>
Mineral Resource Extraction	0.0865	tonnes
Stratospheric Ozone Depletion	0.0000971	kg CFC11 eq.
Human Toxicity	63.7	kg 1,4-DB eq.
Ecotoxicity to Freshwater	6.4	kg 1,4-DB eq.
Nuclear Waste (higher level)	0.00000012	m <sup>3</sup> high level waste
Ecotoxicity to Land	0.255	kg 1,4-DB eq.
Waste Disposal	54	kg
Fossil Fuel Depletion	1320	MJ
Eutrophication	0.0626	kg PO <sub>4</sub> eq.
Photochemical Ozone Creation	0.109	kg ethene eq.
Acidification	0.696	kg SO <sub>2</sub> eq.

#### Normalised data

Issue	Value	Western European Citizen's Annual Impacts
Climate Change	0.00424	12300 kg CO <sub>2</sub> eq (100 yr.)
Water Extraction	0.00262	378 m <sup>3</sup>
Mineral Resource Extraction	0.00354	24.4 tonnes
Stratospheric Ozone Depletion	0.000447	0.217 kg CFC11 eq.
Human Toxicity	0.00322	19700 kg 1,4-DB eq.
Ecotoxicity to Freshwater	0.00486	1320 kg 1,4-DB eq.
Nuclear Waste (higher level)	0.00506	2.37 x 10 <sup>-5</sup> m <sup>3</sup> high level waste
Ecotoxicity to Land	0.00208	123 kg 1,4-DB eq.
Waste Disposal	0.0144	3750 kg
Fossil Fuel Depletion	0.00483	273 GJ
Eutrophication	0.00192	32.5 kg PO <sub>4</sub> eq.
Photochemical Ozone Creation	0.00504	21.5 kg ethene eq.
Acidification	0.00977	71.2 kg SO <sub>2</sub> eq.

**BRE Ecopoints score: 0.423 Ecopoints**

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