

## Appendix to Certificate of Verification

Appendix Number: ENP427b Issue: 2

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

### Characterised and normalised data for: External Wall Construction: Cladding on timber framed construction (ex wall type 5a)

Rockpanel Durable ProtectPlus and timber battens,  
 breather membrane, 22mm OSB Ply, Structural timber  
 frame, insulation, polythene 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: 0.404 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: Cladding on timber framed construction (ex wall type 5a)

Rockpanel Durable ProtectPlus and timber battens, breather membrane, 22mm OSB Ply, Structural timber frame,

#### Characterised Data

Issue	Value	Unit
Climate Change	40.6	kg CO <sub>2</sub> eq (100 yr.)
Water Extraction	0.875	m <sup>3</sup>
Mineral Resource Extraction	0.0543	tonnes
Stratospheric Ozone Depletion	0.000116	kg CFC11 eq.
Human Toxicity	50.3	kg 1,4-DB eq.
Ecotoxicity to Freshwater	6.38	kg 1,4-DB eq.
Nuclear Waste (higher level)	0.000000136	m <sup>3</sup> high level waste
Ecotoxicity to Land	0.35	kg 1,4-DB eq..
Waste Disposal	59.2	kg
Fossil Fuel Depletion	1310	MJ
Eutrophication	0.0663	kg PO <sub>4</sub> eq.
Photochemical Ozone Creation	0.114	kg ethene eq.
Acidification	0.703	kg SO <sub>2</sub> eq.

#### Normalised data

Issue	Value	Western European Citizen's Annual Impacts
Climate Change	0.0033	12300 kg CO <sub>2</sub> eq (100 yr.)
Water Extraction	0.00232	378 m <sup>3</sup>
Mineral Resource Extraction	0.00223	24.4 tonnes
Stratospheric Ozone Depletion	0.000535	0.217 kg CFC11 eq.
Human Toxicity	0.00255	19700 kg 1,4-DB eq.
Ecotoxicity to Freshwater	0.00485	1320 kg 1,4-DB eq.
Nuclear Waste (higher level)	0.00573	2.37 x 10 <sup>-5</sup> m <sup>3</sup> high level waste
Ecotoxicity to Land	0.00284	123 kg 1,4-DB eq..
Waste Disposal	0.0158	3750 kg
Fossil Fuel Depletion	0.00481	273 GJ
Eutrophication	0.00204	32.5 kg PO <sub>4</sub> eq.
Photochemical Ozone Creation	0.00527	21.5 kg ethene eq.
Acidification	0.00987	71.2 kg SO <sub>2</sub> eq.

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