

## Appendix to Certificate of Approval

Appendix Number: ENP427o Issue: 4

**Rockpanel**  
**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 and timber battens, breather membrane, insulation, structural concrete frame, sheathing ply, timber stud with insulation, polyethylene sheet VCL, plasterboard on battens, paint  
 1 m<sup>2</sup> over 60-year study period



### Quality of data for profiled material

Start date	01/01/2017
End Date	31/12/2017
Representativeness	1 site representing 100% production
LCA Methodology	BRE Environmental Profiles Methodology 2008
Allocation	100% to product
Date of data entry	18/02/2021
Boundary	Cradle to Grave over 60-year study period
Applicable buildings	All building types
Source of data	Company records
Geography	NL

(Data for other constituent materials are available from BRE Global)

### BRE Ecopoints score: 0.437 Ecopoints

This certificate appendix is maintained and held in force through annual review and verification.

Signed for BRE Global Ltd.

Laura Critien

Certification Schemes Manager

23 December 2021

Date of Issue

31 December 2023

Expiry Date



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### Rockpanel

Konstruktieweg 2  
6045 JD  
Roermond  
The Netherlands

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

Rockpanel Durable and timber battens, breather membrane, insulation, structural concrete frame, sheathing ply, timber stud with insulation, polyethylene sheet VCL, plasterboard on battens, paint  
**1 m<sup>2</sup> over 60-year study period**

### Characterised Data

Issue	Value	Unit
Climate Change	56.9	kg CO <sub>2</sub> eq. (100 yr.)
Water Extraction	0.981	m <sup>3</sup>
Mineral Resource Extraction	0.0869	tonnes
Stratospheric Ozone Depletion	0.0000967	kg CFC11 eq.
Human Toxicity	66.1	kg 1,4-DB eq.
Ecotoxicity to Freshwater	6.63	kg 1,4-DB eq.
Nuclear Waste (higher level)	0.000000126	m <sup>3</sup> high level waste
Ecotoxicity to Land	0.254	kg 1,4-DB eq.
Waste Disposal	54.2	kg
Fossil Fuel Depletion	1340	MJ
Eutrophication	0.064	kg PO <sub>4</sub> eq.
Photochemical Ozone Creation	0.11	kg ethene eq.
Acidification	0.718	kg SO <sub>2</sub> eq.

### Normalised data

Issue	Value	Western European Citizen's Annual Impacts
Climate Change	0.00463	12300 kg CO <sub>2</sub> eq. (100 yr.)
Water Extraction	0.0026	378 m <sup>3</sup>
Mineral Resource Extraction	0.00356	24.4 tonnes
Stratospheric Ozone Depletion	0.000445	0.217 kg CFC11 eq.
Human Toxicity	0.00335	19700 kg 1,4-DB eq.
Ecotoxicity to Freshwater	0.00503	1320 kg 1,4-DB eq.
Nuclear Waste (higher level)	0.00532	2.37 x 10 <sup>-5</sup> m <sup>3</sup> high level waste
Ecotoxicity to Land	0.00206	123 kg 1,4-DB eq.
Waste Disposal	0.0145	3750 kg
Fossil Fuel Depletion	0.00493	273 GJ
Eutrophication	0.00197	32.5 kg PO <sub>4</sub> eq.
Photochemical Ozone Creation	0.00512	21.5 kg ethene eq.
Acidification	0.0101	71.2 kg SO <sub>2</sub> eq.

**BRE Ecopoints score: 0.437 Ecopoints**

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