

## Appendix to Certificate of Approval

Appendix Number: ENP427I

Issue: 4

### Rockpanel

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 ProtectPlus and aluminium rails, breather membrane, insulation, structural concrete frame, lightweight solid blockwork with cement mortar, 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: 0.547 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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## Appendix No: ENP4271

Issue: 4

### Rockpanel

Konstruktieweg 2  
6045 JD  
Roermond  
The Netherlands

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

Rockpanel Durable ProtectPlus and aluminium rails, breather membrane, insulation, structural concrete frame, lightweight solid blockwork with cement mortar, plasterboard on battens, paint  
**1 m<sup>2</sup> over 60-year study period**

### Characterised Data

Issue	Value	Unit
Climate Change	99.7	kg CO <sub>2</sub> eq. (100 yr.)
Water Extraction	0.761	m <sup>3</sup>
Mineral Resource Extraction	0.182	tonnes
Stratospheric Ozone Depletion	0.0000879	kg CFC11 eq.
Human Toxicity	84.6	kg 1,4-DB eq.
Ecotoxicity to Freshwater	9.55	kg 1,4-DB eq.
Nuclear Waste (higher level)	0.000000115	m <sup>3</sup> high level waste
Ecotoxicity to Land	0.136	kg 1,4-DB eq.
Waste Disposal	47.7	kg
Fossil Fuel Depletion	1410	MJ
Eutrophication	0.0676	kg PO <sub>4</sub> eq.
Photochemical Ozone Creation	0.0777	kg ethene eq.
Acidification	0.849	kg SO <sub>2</sub> eq.

### Normalised data

Issue	Value	Western European Citizen's Annual Impacts
Climate Change	0.00811	12300 kg CO <sub>2</sub> eq. (100 yr.)
Water Extraction	0.00201	378 m <sup>3</sup>
Mineral Resource Extraction	0.00744	24.4 tonnes
Stratospheric Ozone Depletion	0.000405	0.217 kg CFC11 eq.
Human Toxicity	0.00428	19700 kg 1,4-DB eq.
Ecotoxicity to Freshwater	0.00725	1320 kg 1,4-DB eq.
Nuclear Waste (higher level)	0.00484	2.37 x 10 <sup>-5</sup> m <sup>3</sup> high level waste
Ecotoxicity to Land	0.00111	123 kg 1,4-DB eq.
Waste Disposal	0.0127	3750 kg
Fossil Fuel Depletion	0.00519	273 GJ
Eutrophication	0.00208	32.5 kg PO <sub>4</sub> eq.
Photochemical Ozone Creation	0.00361	21.5 kg ethene eq.
Acidification	0.0119	71.2 kg SO <sub>2</sub> eq.

**BRE Ecopoints score: 0.547 Ecopoints**

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