

## Appendix to Certificate of Approval

Appendix Number: ENP427j

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 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: 0.543 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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1 m<sup>2</sup> over 60-year study period

### Characterised Data

Issue	Value	Unit
Climate Change	97.9	kg CO <sub>2</sub> eq. (100 yr.)
Water Extraction	0.721	m <sup>3</sup>
Mineral Resource Extraction	0.182	tonnes
Stratospheric Ozone Depletion	0.0000868	kg CFC11 eq.
Human Toxicity	84.7	kg 1,4-DB eq.
Ecotoxicity to Freshwater	9.6	kg 1,4-DB eq.
Nuclear Waste (higher level)	0.000000116	m <sup>3</sup> high level waste
Ecotoxicity to Land	0.135	kg 1,4-DB eq.
Waste Disposal	48	kg
Fossil Fuel Depletion	1400	MJ
Eutrophication	0.0668	kg PO <sub>4</sub> eq.
Photochemical Ozone Creation	0.0773	kg ethene eq.
Acidification	0.842	kg SO <sub>2</sub> eq.

### Normalised data

Issue	Value	Western European Citizen's Annual Impacts
Climate Change	0.00796	12300 kg CO <sub>2</sub> eq. (100 yr.)
Water Extraction	0.00191	378 m <sup>3</sup>
Mineral Resource Extraction	0.00744	24.4 tonnes
Stratospheric Ozone Depletion	0.0004	0.217 kg CFC11 eq.
Human Toxicity	0.00429	19700 kg 1,4-DB eq.
Ecotoxicity to Freshwater	0.00729	1320 kg 1,4-DB eq.
Nuclear Waste (higher level)	0.00491	2.37 x 10 <sup>-5</sup> m <sup>3</sup> high level waste
Ecotoxicity to Land	0.00109	123 kg 1,4-DB eq.
Waste Disposal	0.0128	3750 kg
Fossil Fuel Depletion	0.00511	273 GJ
Eutrophication	0.00206	32.5 kg PO <sub>4</sub> eq.
Photochemical Ozone Creation	0.00359	21.5 kg ethene eq.
Acidification	0.0118	71.2 kg SO <sub>2</sub> eq.

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