

## Appendix to Certificate of Approval

Appendix Number: ENP427m 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 A2 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: 0.588 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	107	kg CO <sub>2</sub> eq. (100 yr.)
Water Extraction	0.813	m <sup>3</sup>
Mineral Resource Extraction	0.185	tonnes
Stratospheric Ozone Depletion	0.0000931	kg CFC11 eq.
Human Toxicity	92.9	kg 1,4-DB eq.
Ecotoxicity to Freshwater	10.1	kg 1,4-DB eq.
Nuclear Waste (higher level)	0.000000125	m <sup>3</sup> high level waste
Ecotoxicity to Land	0.146	kg 1,4-DB eq.
Waste Disposal	52.9	kg
Fossil Fuel Depletion	1540	MJ
Eutrophication	0.0738	kg PO <sub>4</sub> eq.
Photochemical Ozone Creation	0.0838	kg ethene eq.
Acidification	0.885	kg SO <sub>2</sub> eq.

### Normalised data

Issue	Value	Western European Citizen's Annual Impacts
Climate Change	0.00874	12300 kg CO <sub>2</sub> eq. (100 yr.)
Water Extraction	0.00215	378 m <sup>3</sup>
Mineral Resource Extraction	0.00758	24.4 tonnes
Stratospheric Ozone Depletion	0.000429	0.217 kg CFC11 eq.
Human Toxicity	0.00471	19700 kg 1,4-DB eq.
Ecotoxicity to Freshwater	0.00767	1320 kg 1,4-DB eq.
Nuclear Waste (higher level)	0.00528	2.37 x 10 <sup>-5</sup> m <sup>3</sup> high level waste
Ecotoxicity to Land	0.00119	123 kg 1,4-DB eq.
Waste Disposal	0.0141	3750 kg
Fossil Fuel Depletion	0.00566	273 GJ
Eutrophication	0.00227	32.5 kg PO <sub>4</sub> eq.
Photochemical Ozone Creation	0.00389	21.5 kg ethene eq.
Acidification	0.0124	71.2 kg SO <sub>2</sub> eq.

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