

## Appendix to Certificate of Approval

Appendix Number: ENP427p Issue: 3

### 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 ProtectPlus 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: 0.44 Ecopoints

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



Signed for BRE Global Ltd.

Emma Baker

Scheme Manager

13 May 2021

Date of Issue

12 May 2024

Expiry Date



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BRE Global Ltd., Garston, Watford WD25 9XX.  
T: +44 (0)333 321 8811 E: [Enquiries@breglobal.com](mailto:Enquiries@breglobal.com)



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Konstruktieweg 2  
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### External Wall Construction: Rainscreen cladding on concrete frame with timber stud infill (ex wall type 7.2b)

Rockpanel Durable ProtectPlus 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	58.7	kg CO <sub>2</sub> eq. (100 yr.)
Water Extraction	1.02	m <sup>3</sup>
Mineral Resource Extraction	0.0869	tonnes
Stratospheric Ozone Depletion	0.0000977	kg CFC11 eq.
Human Toxicity	66.1	kg 1,4-DB eq.
Ecotoxicity to Freshwater	6.57	kg 1,4-DB eq.
Nuclear Waste (higher level)	0.000000124	m <sup>3</sup> high level waste
Ecotoxicity to Land	0.256	kg 1,4-DB eq.
Waste Disposal	53.9	kg
Fossil Fuel Depletion	1360	MJ
Eutrophication	0.0649	kg PO <sub>4</sub> eq.
Photochemical Ozone Creation	0.111	kg ethene eq.
Acidification	0.725	kg SO <sub>2</sub> eq.

### Normalised data

Issue	Value	Western European Citizen's Annual Impacts
Climate Change	0.00477	12300 kg CO <sub>2</sub> eq. (100 yr.)
Water Extraction	0.0027	378 m <sup>3</sup>
Mineral Resource Extraction	0.00356	24.4 tonnes
Stratospheric Ozone Depletion	0.00045	0.217 kg CFC11 eq.
Human Toxicity	0.00334	19700 kg 1,4-DB eq.
Ecotoxicity to Freshwater	0.00499	1320 kg 1,4-DB eq.
Nuclear Waste (higher level)	0.00525	2.37 x 10 <sup>-5</sup> m <sup>3</sup> high level waste
Ecotoxicity to Land	0.00208	123 kg 1,4-DB eq.
Waste Disposal	0.0144	3750 kg
Fossil Fuel Depletion	0.005	273 GJ
Eutrophication	0.002	32.5 kg PO <sub>4</sub> eq.
Photochemical Ozone Creation	0.00514	21.5 kg ethene eq.
Acidification	0.0102	71.2 kg SO <sub>2</sub> eq.

**BRE Ecopoints score: 0.44 Ecopoints**

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BRE Global Ltd., Garston, Watford WD25 9XX.  
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