

## Appendix to Certificate of Approval

Appendix Number: ENP427a Issue: 4

**Rockpanel**  
 Konstruktieweg 2  
 6045 JD  
 Roermond  
 The Netherlands



Characterised and normalised data for:

### External Wall Construction: Cladding on timber framed construction (ex wall type 5a)

Rockpanel Durable and timber battens, breather membrane, 22mm OSB ply, structural timber frame, insulation, polythene 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: 0.418 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

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

### Characterised Data

Issue	Value	Unit
Climate Change	45.3	kg CO <sub>2</sub> eq. (100 yr.)
Water Extraction	0.867	m <sup>3</sup>
Mineral Resource Extraction	0.0547	tonnes
Stratospheric Ozone Depletion	0.000116	kg CFC11 eq.
Human Toxicity	52.8	kg 1,4-DB eq.
Ecotoxicity to Freshwater	6.61	kg 1,4-DB eq.
Nuclear Waste (higher level)	0.000000142	m <sup>3</sup> high level waste
Ecotoxicity to Land	0.348	kg 1,4-DB eq.
Waste Disposal	59.4	kg
Fossil Fuel Depletion	1340	MJ
Eutrophication	0.0678	kg PO <sub>4</sub> eq.
Photochemical Ozone Creation	0.115	kg ethene eq.
Acidification	0.725	kg SO <sub>2</sub> eq.

### Normalised data

Issue	Value	Western European Citizen's Annual Impacts
Climate Change	0.00369	12300 kg CO <sub>2</sub> eq. (100 yr.)
Water Extraction	0.0023	378 m <sup>3</sup>
Mineral Resource Extraction	0.00224	24.4 tonnes
Stratospheric Ozone Depletion	0.000533	0.217 kg CFC11 eq.
Human Toxicity	0.00267	19700 kg 1,4-DB eq.
Ecotoxicity to Freshwater	0.00502	1320 kg 1,4-DB eq.
Nuclear Waste (higher level)	0.00599	2.37 x 10 <sup>-5</sup> m <sup>3</sup> high level waste
Ecotoxicity to Land	0.00283	123 kg 1,4-DB eq.
Waste Disposal	0.0158	3750 kg
Fossil Fuel Depletion	0.00491	273 GJ
Eutrophication	0.00208	32.5 kg PO <sub>4</sub> eq.
Photochemical Ozone Creation	0.00535	21.5 kg ethene eq.
Acidification	0.0102	71.2 kg SO <sub>2</sub> eq.

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