

## Appendix to Certificate of Approval

Appendix Number: ENP427b

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 ProtectPlus 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: 0.421 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

Konstruktieweg 2  
6045 JD  
Roermond  
The Netherlands

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

Rockpanel Durable ProtectPlus 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**

### Characterised Data

Issue	Value	Unit
Climate Change	47.1	kg CO <sub>2</sub> eq. (100 yr.)
Water Extraction	0.907	m <sup>3</sup>
Mineral Resource Extraction	0.0548	tonnes
Stratospheric Ozone Depletion	0.000117	kg CFC11 eq.
Human Toxicity	52.7	kg 1,4-DB eq.
Ecotoxicity to Freshwater	6.55	kg 1,4-DB eq.
Nuclear Waste (higher level)	0.00000014	m <sup>3</sup> high level waste
Ecotoxicity to Land	0.35	kg 1,4-DB eq.
Waste Disposal	59.1	kg
Fossil Fuel Depletion	1360	MJ
Eutrophication	0.0686	kg PO <sub>4</sub> eq.
Photochemical Ozone Creation	0.116	kg ethene eq.
Acidification	0.732	kg SO <sub>2</sub> eq.

### Normalised data

Issue	Value	Western European Citizen's Annual Impacts
Climate Change	0.00383	12300 kg CO <sub>2</sub> eq. (100 yr.)
Water Extraction	0.0024	378 m <sup>3</sup>
Mineral Resource Extraction	0.00225	24.4 tonnes
Stratospheric Ozone Depletion	0.000538	0.217 kg CFC11 eq.
Human Toxicity	0.00267	19700 kg 1,4-DB eq.
Ecotoxicity to Freshwater	0.00498	1320 kg 1,4-DB eq.
Nuclear Waste (higher level)	0.00592	2.37 x 10 <sup>-5</sup> m <sup>3</sup> high level waste
Ecotoxicity to Land	0.00285	123 kg 1,4-DB eq.
Waste Disposal	0.0158	3750 kg
Fossil Fuel Depletion	0.00498	273 GJ
Eutrophication	0.00211	32.5 kg PO <sub>4</sub> eq.
Photochemical Ozone Creation	0.00538	21.5 kg ethene eq.
Acidification	0.0103	71.2 kg SO <sub>2</sub> eq.

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