

Appendix to Certificate of Approval

Appendix Number: ENP427i Issue: 3

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 timber battens, breather membrane, insulation, structural concrete frame, lightweight solid blockwork with cement mortar, plasterboard on battens, paint

1 m² 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: 0.449 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



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1 m² over 60-year study period

Characterised Data

Issue	Value	Unit
Climate Change	80.3	kg CO ₂ eq. (100 yr.)
Water Extraction	0.697	m ³
Mineral Resource Extraction	0.173	tonnes
Stratospheric Ozone Depletion	0.0000906	kg CFC11 eq.
Human Toxicity	45	kg 1,4-DB eq.
Ecotoxicity to Freshwater	4.81	kg 1,4-DB eq.
Nuclear Waste (higher level)	0.000000776	m ³ high level waste
Ecotoxicity to Land	0.126	kg 1,4-DB eq.
Waste Disposal	50.8	kg
Fossil Fuel Depletion	1250	MJ
Eutrophication	0.0627	kg PO ₄ eq.
Photochemical Ozone Creation	0.0991	kg ethene eq.
Acidification	0.753	kg SO ₂ eq.

Normalised data

Issue	Value	Western European Citizen's Annual Impacts
Climate Change	0.00653	12300 kg CO ₂ eq. (100 yr.)
Water Extraction	0.00185	378 m ³
Mineral Resource Extraction	0.00711	24.4 tonnes
Stratospheric Ozone Depletion	0.000417	0.217 kg CFC11 eq.
Human Toxicity	0.00228	19700 kg 1,4-DB eq.
Ecotoxicity to Freshwater	0.00365	1320 kg 1,4-DB eq.
Nuclear Waste (higher level)	0.00327	2.37 x 10 ⁻⁵ m ³ high level waste
Ecotoxicity to Land	0.00103	123 kg 1,4-DB eq.
Waste Disposal	0.0135	3750 kg
Fossil Fuel Depletion	0.00457	273 GJ
Eutrophication	0.00193	32.5 kg PO ₄ eq.
Photochemical Ozone Creation	0.0046	21.5 kg ethene eq.
Acidification	0.0106	71.2 kg SO ₂ eq.

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