

Appendix to Certificate of Approval

Appendix Number: ENP427f

Issue: 4

Rockpanel

Konstruktieweg 2

6045 JD

Roermond

The Netherlands

Characterised and normalised data for:

External Wall Construction: Rainscreen cladding on steel frame with timber stud infill (ex wall type 7.1b)

Rockpanel Durable ProtectPlus and timber battens, breather membrane, insulation, structural steel frame, sheathing ply, timber stud, 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: 0.492 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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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	78.5	kg CO ₂ eq. (100 yr.)
Water Extraction	0.99	m ³
Mineral Resource Extraction	0.0719	tonnes
Stratospheric Ozone Depletion	0.000101	kg CFC11 eq.
Human Toxicity	65.8	kg 1,4-DB eq.
Ecotoxicity to Freshwater	6.46	kg 1,4-DB eq.
Nuclear Waste (higher level)	0.000000153	m ³ high level waste
Ecotoxicity to Land	0.301	kg 1,4-DB eq.
Waste Disposal	58	kg
Fossil Fuel Depletion	1540	MJ
Eutrophication	0.0701	kg PO ₄ eq.
Photochemical Ozone Creation	0.119	kg ethene eq.
Acidification	0.77	kg SO ₂ eq.

Normalised data

Issue	Value	Western European Citizen's Annual Impacts
Climate Change	0.00639	12300 kg CO ₂ eq. (100 yr.)
Water Extraction	0.00262	378 m ³
Mineral Resource Extraction	0.00295	24.4 tonnes
Stratospheric Ozone Depletion	0.000463	0.217 kg CFC11 eq.
Human Toxicity	0.00333	19700 kg 1,4-DB eq.
Ecotoxicity to Freshwater	0.00491	1320 kg 1,4-DB eq.
Nuclear Waste (higher level)	0.00646	2.37 x 10 ⁻⁵ m ³ high level waste
Ecotoxicity to Land	0.00244	123 kg 1,4-DB eq.
Waste Disposal	0.0155	3750 kg
Fossil Fuel Depletion	0.00565	273 GJ
Eutrophication	0.00216	32.5 kg PO ₄ eq.
Photochemical Ozone Creation	0.00552	21.5 kg ethene eq.
Acidification	0.0108	71.2 kg SO ₂ eq.

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