

Appendix to Certificate of Approval

Appendix Number: ENP427d Issue: 4

Rockpanel
 Konstruktieweg 2
 6045 JD
 Roermond
 The Netherlands



Characterised and normalised data for:

External Wall Construction: Rainscreen cladding on steel frame with block infill (ex wall type 7.1a)

Rockpanel Durable ProtectPlus and timber battens, breather membrane, insulation, structural steel frame, medium dense 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: 0.519 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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1 m² over 60-year study period

Characterised Data

Issue	Value	Unit
Climate Change	101	kg CO ₂ eq. (100 yr.)
Water Extraction	0.766	m ³
Mineral Resource Extraction	0.172	tonnes
Stratospheric Ozone Depletion	0.0000901	kg CFC11 eq.
Human Toxicity	45.5	kg 1,4-DB eq.
Ecotoxicity to Freshwater	4.69	kg 1,4-DB eq.
Nuclear Waste (higher level)	0.000000104	m ³ high level waste
Ecotoxicity to Land	0.177	kg 1,4-DB eq.
Waste Disposal	58.9	kg
Fossil Fuel Depletion	1450	MJ
Eutrophication	0.0693	kg PO ₄ eq.
Photochemical Ozone Creation	0.105	kg ethene eq.
Acidification	0.792	kg SO ₂ eq.

Normalised data

Issue	Value	Western European Citizen's Annual Impacts
Climate Change	0.00821	12300 kg CO ₂ eq. (100 yr.)
Water Extraction	0.00203	378 m ³
Mineral Resource Extraction	0.00706	24.4 tonnes
Stratospheric Ozone Depletion	0.000415	0.217 kg CFC11 eq.
Human Toxicity	0.0023	19700 kg 1,4-DB eq.
Ecotoxicity to Freshwater	0.00356	1320 kg 1,4-DB eq.
Nuclear Waste (higher level)	0.0044	2.37 x 10 ⁻⁵ m ³ high level waste
Ecotoxicity to Land	0.00144	123 kg 1,4-DB eq.
Waste Disposal	0.0157	3750 kg
Fossil Fuel Depletion	0.00533	273 GJ
Eutrophication	0.00213	32.5 kg PO ₄ eq.
Photochemical Ozone Creation	0.00489	21.5 kg ethene eq.
Acidification	0.0111	71.2 kg SO ₂ eq.

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