

Appendix to Certificate of Verification

Appendix Number: ENP427h Issue: 2

ROCKPANEL Group
 Konstruktieweg 2
 6045 JD
 Roermond
 The Netherlands

Characterised and normalised data for: External Wall Construction: Rainscreen cladding on steel frame with metal stud infill (ex wall type 7.1c)

Rockpanel Durable ProtectPlus and timber battens,
 structural steel frame, breather membrane, insulation,
 cement-bonded particle board, light steel frame,
 plasterboard on battens, paint



Quality of data for profiled material

Start date	1/1/2013
End Date	12/31/2013
Representativeness	1 site representing 100% production
LCA Methodology	BRE Environmental Profiles Methodology 2008
Allocation	100% to product
Date of data entry	9/23/2015
Boundary	Cradle to Grave over 60-year study period
Applicable buildings	All building types
Source of data	Company records
Geography	The Netherlands

(Data for other constituent materials are available from BRE Global)

BRE Ecopoints score: 0.502 Ecopoints

This certificate appendix is maintained and held in force through annual review and verification.

Signed for BRE Global Ltd.

Laura Critien

Certification Scheme Manager

19 April 2016

Date of Issue

18 April 2019

Expiry Date



This certificate appendix remains the property of BRE Global Ltd and is issued subject to terms and conditions (for details visit www.greenbooklive.com/terms).

To check the validity of this certificate please visit www.greenbooklive.com/check, scan the QR Tag, or contact us.

BRE Global Ltd., Garston, Watford WD25 9XX.
 T: +44 (0)333 321 8811 E: Enquiries@breglobal.com



Appendix No: ENP427h

Issue: 2

ROCKPANEL Group

Konstruktieweg 2
6045 JD
Roermond
The Netherlands

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

Rockpanel Durable ProtectPlus and timber battens, structural steel frame, breather membrane, insulation, cement-bonded

Characterised Data

Issue	Value	Unit
Climate Change	104	kg CO ₂ eq (100 yr.)
Water Extraction	0.727	m ³
Mineral Resource Extraction	0.0875	tonnes
Stratospheric Ozone Depletion	0.0000684	kg CFC11 eq.
Human Toxicity	41.1	kg 1,4-DB eq.
Ecotoxicity to Freshwater	4.84	kg 1,4-DB eq.
Nuclear Waste (higher level)	0.000000111	m ³ high level waste
Ecotoxicity to Land	0.182	kg 1,4-DB eq.
Waste Disposal	65.4	kg
Fossil Fuel Depletion	1360	MJ
Eutrophication	0.0597	kg PO ₄ eq.
Photochemical Ozone Creation	0.0986	kg ethene eq.
Acidification	0.712	kg SO ₂ eq.

Normalised data

Issue	Value	Western European Citizen's Annual Impacts
Climate Change	0.0085	12300 kg CO ₂ eq (100 yr.)
Water Extraction	0.00193	378 m ³
Mineral Resource Extraction	0.00359	24.4 tonnes
Stratospheric Ozone Depletion	0.000315	0.217 kg CFC11 eq.
Human Toxicity	0.00208	19700 kg 1,4-DB eq.
Ecotoxicity to Freshwater	0.00367	1320 kg 1,4-DB eq.
Nuclear Waste (higher level)	0.00468	2.37 x 10 ⁻⁵ m ³ high level waste
Ecotoxicity to Land	0.00148	123 kg 1,4-DB eq.
Waste Disposal	0.0175	3750 kg
Fossil Fuel Depletion	0.00498	273 GJ
Eutrophication	0.00184	32.5 kg PO ₄ eq.
Photochemical Ozone Creation	0.00458	21.5 kg ethene eq.
Acidification	0.00999	71.2 kg SO ₂ eq.

BRE Ecopoints score: 0.502 Ecopoints

This certificate appendix is maintained and held in force through annual review and verification.

Signed for BRE Global Ltd.

Laura Critien

Certification Scheme Manager

19 April 2016

Date of Issue

18 April 2019

Expiry Date



This certificate appendix remains the property of BRE Global Ltd and is issued subject to terms and conditions (for details visit www.greenbooklive.com/terms).

To check the validity of this certificate please visit www.greenbooklive.com/check, scan the QR Tag, or contact us.

BRE Global Ltd., Garston, Watford WD25 9XX.
T: +44 (0)333 321 8811 E: Enquiries@breglobal.com

