

Appendix to Certificate of Verification

Appendix Number: ENP427n Issue: 2

ROCKPANEL Group
 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 FS-Xtra ProtectPlus and aluminium rails,
 breather membrane, insulation, structural concrete
 frame, lightweight solid blockwork with cement
 mortar, 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: 0.554 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: ENP427n

Issue: 2

ROCKPANEL Group

Konstruktieweg 2
6045 JD
Roermond
The Netherlands

External Wall Construction: Rainscreen cladding on concrete frame with block infill (ex wall type 7.2a)

Rockpanel FS-Xtra ProtectPlus and aluminium rails, breather membrane, insulation, structural concrete frame, lightweight

Characterised Data

Issue	Value	Unit
Climate Change	98.5	kg CO ₂ eq (100 yr.)
Water Extraction	0.748	m ³
Mineral Resource Extraction	0.185	tonnes
Stratospheric Ozone Depletion	0.0000913	kg CFC11 eq.
Human Toxicity	81.4	kg 1,4-DB eq.
Ecotoxicity to Freshwater	9.42	kg 1,4-DB eq.
Nuclear Waste (higher level)	0.000000113	m ³ high level waste
Ecotoxicity to Land	0.144	kg 1,4-DB eq..
Waste Disposal	52.7	kg
Fossil Fuel Depletion	1430	MJ
Eutrophication	0.0701	kg PO ₄ eq.
Photochemical Ozone Creation	0.078	kg ethene eq.
Acidification	0.843	kg SO ₂ eq.

Normalised data

Issue	Value	Western European Citizen's Annual Impacts
Climate Change	0.00801	12300 kg CO ₂ eq (100 yr.)
Water Extraction	0.00198	378 m ³
Mineral Resource Extraction	0.00758	24.4 tonnes
Stratospheric Ozone Depletion	0.00042	0.217 kg CFC11 eq.
Human Toxicity	0.00412	19700 kg 1,4-DB eq.
Ecotoxicity to Freshwater	0.00716	1320 kg 1,4-DB eq.
Nuclear Waste (higher level)	0.00476	2.37 x 10 ⁻⁵ m ³ high level waste
Ecotoxicity to Land	0.00117	123 kg 1,4-DB eq..
Waste Disposal	0.0141	3750 kg
Fossil Fuel Depletion	0.00525	273 GJ
Eutrophication	0.00216	32.5 kg PO ₄ eq.
Photochemical Ozone Creation	0.00362	21.5 kg ethene eq.
Acidification	0.0118	71.2 kg SO ₂ eq.

BRE Ecopoints score: 0.554 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

