

Appendix to Certificate of Approval

Appendix Number: ENP537b

Issue: 1

Soprema UK
 Soprema House
 Freebournes Road
 Witham
 CM8 3UN



Characterised and normalised data for:

Insulation: Insulation

Soprema XPS insulation (SL, CR), 0.036 W/mK, density 35 kg/m³

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	13/03/2019
Boundary	Cradle to Grave over 60-year study period
Applicable buildings	All building types
Source of data	Company records
Geography	France

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

BRE Ecopoints score: 0.0522 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

31 May 2019
 Date of Issue

30 May 2022
 Expiry Date



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Characterised Data

Issue	Value	Unit
Climate Change	12.9	kg CO ₂ eq. (100 yr.)
Water Extraction	0.152	m ³
Mineral Resource Extraction	0.000284	tonnes
Stratospheric Ozone Depletion	0.0000158	kg CFC11 eq.
Human Toxicity	1.38	kg 1,4-DB eq.
Ecotoxicity to Freshwater	0.126	kg 1,4-DB eq.
Nuclear Waste (higher level)	0.0000000252	m ³ high level waste
Ecotoxicity to Land	0.0109	kg 1,4-DB eq.
Waste Disposal	4.35	kg
Fossil Fuel Depletion	281	MJ
Eutrophication	0.00743	kg PO ₄ eq.
Photochemical Ozone Creation	0.0217	kg ethene eq.
Acidification	0.0695	kg SO ₂ eq.

Normalised data

Issue	Value	Western European Citizen's Annual Impacts
Climate Change	0.00105	12300 kg CO ₂ eq. (100 yr.)
Water Extraction	0.000403	378 m ³
Mineral Resource Extraction	0.0000116	24.4 tonnes
Stratospheric Ozone Depletion	0.0000728	0.217 kg CFC11 eq.
Human Toxicity	0.0000697	19700 kg 1,4-DB eq.
Ecotoxicity to Freshwater	0.0000954	1320 kg 1,4-DB eq.
Nuclear Waste (higher level)	0.00106	2.37 x 10 ⁻⁵ m ³ high level waste
Ecotoxicity to Land	0.0000883	123 kg 1,4-DB eq.
Waste Disposal	0.00116	3750 kg
Fossil Fuel Depletion	0.00103	273 GJ
Eutrophication	0.000229	32.5 kg PO ₄ eq.
Photochemical Ozone Creation	0.00101	21.5 kg ethene eq.
Acidification	0.000975	71.2 kg SO ₂ eq.

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