

Appendix to Certificate of Approval

Appendix Number: ENP537c

Issue: 1

Soprema UK
 Soprema House
 Freebournes Road
 Witham
 CM8 3UN



Characterised and normalised data for:

Insulation: Insulation

Soprema XPS insulation 500, 0.036 W/mK, density 40 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: 0.0561 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	13.8	kg CO ₂ eq. (100 yr.)
Water Extraction	0.162	m ³
Mineral Resource Extraction	0.000296	tonnes
Stratospheric Ozone Depletion	0.0000167	kg CFC11 eq.
Human Toxicity	1.45	kg 1,4-DB eq.
Ecotoxicity to Freshwater	0.13	kg 1,4-DB eq.
Nuclear Waste (higher level)	0.0000000257	m ³ high level waste
Ecotoxicity to Land	0.0115	kg 1,4-DB eq.
Waste Disposal	4.95	kg
Fossil Fuel Depletion	301	MJ
Eutrophication	0.00794	kg PO ₄ eq.
Photochemical Ozone Creation	0.0226	kg ethene eq.
Acidification	0.0736	kg SO ₂ eq.

Normalised data

Issue	Value	Western European Citizen's Annual Impacts
Climate Change	0.00112	12300 kg CO ₂ eq. (100 yr.)
Water Extraction	0.000429	378 m ³
Mineral Resource Extraction	0.0000121	24.4 tonnes
Stratospheric Ozone Depletion	0.0000768	0.217 kg CFC11 eq.
Human Toxicity	0.0000735	19700 kg 1,4-DB eq.
Ecotoxicity to Freshwater	0.0000989	1320 kg 1,4-DB eq.
Nuclear Waste (higher level)	0.00108	2.37 x 10 ⁻⁵ m ³ high level waste
Ecotoxicity to Land	0.0000934	123 kg 1,4-DB eq.
Waste Disposal	0.00132	3750 kg
Fossil Fuel Depletion	0.0011	273 GJ
Eutrophication	0.000244	32.5 kg PO ₄ eq.
Photochemical Ozone Creation	0.00105	21.5 kg ethene eq.
Acidification	0.00103	71.2 kg SO ₂ eq.

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