

Appendix to Certificate of Approval

Appendix Number: ENP499eg Issue: 4

BALSAN

Usine de Corbilly
36330 LE POINCONNET
France

Characterised and normalised data for:

Floor Finishes: Soft floor coverings

Balsan PA6 solution dyed tufted carpet tile, pile weight up to 600 g/m², bitumen backing, total weight up to 4.16 kg/m² (Avenue, Metropolitan Grafik, Impact/Winter)

1 m² over 60-year study period

Quality of data for profiled material

Start date	01/01/2016
End Date	31/12/2016
Representativeness	2 sites representing 100% production
LCA Methodology	BRE Environmental Profiles Methodology 2008
Allocation	100% to product
Date of data entry	21/07/2017
Boundary	Cradle to Grave over 60-year study period
Applicable buildings	Domestic (multi-residential)
Source of data	Company records
Geography	France

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

BRE Ecopoints score: 0.417 Ecopoints

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

Signed for BRE Global Ltd.

Emma Baker
Scheme Manager

23 October 2017
Date of Issue

22 October 2020
Expiry Date



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Balsan PA6 solution dyed tufted carpet tile, pile weight up to 600 g/m², bitumen backing, total weight up to 4.16 kg/m² (Avenue, Metropolitan Grafik, Impact/Winter)
1 m² over 60-year study period

Characterised Data

Issue	Value	Unit
Climate Change	97.7	kg CO ₂ eq. (100 yr.)
Water Extraction	0.846	m ³
Mineral Resource Extraction	0.0247	tonnes
Stratospheric Ozone Depletion	0.0000944	kg CFC11 eq.
Human Toxicity	18.2	kg 1,4-DB eq.
Ecotoxicity to Freshwater	1.98	kg 1,4-DB eq.
Nuclear Waste (higher level)	0.000000221	m ³ high level waste
Ecotoxicity to Land	0.157	kg 1,4-DB eq.
Waste Disposal	35	kg
Fossil Fuel Depletion	1590	MJ
Eutrophication	0.054	kg PO ₄ eq.
Photochemical Ozone Creation	0.0669	kg ethene eq.
Acidification	0.677	kg SO ₂ eq.

Normalised data

Issue	Value	Western European Citizen's Annual Impacts
Climate Change	0.00795	12300 kg CO ₂ eq. (100 yr.)
Water Extraction	0.00224	378 m ³
Mineral Resource Extraction	0.00101	24.4 tonnes
Stratospheric Ozone Depletion	0.000434	0.217 kg CFC11 eq.
Human Toxicity	0.000919	19700 kg 1,4-DB eq.
Ecotoxicity to Freshwater	0.0015	1320 kg 1,4-DB eq.
Nuclear Waste (higher level)	0.00931	2.37 x 10 ⁻⁵ m ³ high level waste
Ecotoxicity to Land	0.00128	123 kg 1,4-DB eq.
Waste Disposal	0.00932	3750 kg
Fossil Fuel Depletion	0.00582	273 GJ
Eutrophication	0.00166	32.5 kg PO ₄ eq.
Photochemical Ozone Creation	0.0031	21.5 kg ethene eq.
Acidification	0.0095	71.2 kg SO ₂ eq.

BRE Ecopoints score: 0.417 Ecopoints

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36330 LE POINCONNET
France

Characterised and normalised data for:

Floor Finishes: Soft floor coverings

Balsan PA6 solution dyed tufted carpet tile, pile weight up to 600 g/m², bitumen backing, total weight up to 4.16 kg/m² (Avenue, Metropolitan Grafik, Impact/Winter)

1 m² over 60-year study period

Quality of data for profiled material

Start date	01/01/2016
End Date	31/12/2016
Representativeness	2 sites representing 100% production
LCA Methodology	BRE Environmental Profiles Methodology 2008
Allocation	100% to product
Date of data entry	21/07/2017
Boundary	Cradle to Grave over 60-year study period
Applicable buildings	Offices, Healthcare, Education and Retail (Replacement by durability)
Source of data	Company records
Geography	France

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

BRE Ecopoints score: 0.414 Ecopoints

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1 m² over 60-year study period

Characterised Data

Issue	Value	Unit
Climate Change	96.9	kg CO ₂ eq. (100 yr.)
Water Extraction	0.876	m ³
Mineral Resource Extraction	0.0247	tonnes
Stratospheric Ozone Depletion	0.0000953	kg CFC11 eq.
Human Toxicity	18.1	kg 1,4-DB eq.
Ecotoxicity to Freshwater	1.97	kg 1,4-DB eq.
Nuclear Waste (higher level)	0.000000215	m ³ high level waste
Ecotoxicity to Land	0.158	kg 1,4-DB eq.
Waste Disposal	34.9	kg
Fossil Fuel Depletion	1580	MJ
Eutrophication	0.0539	kg PO ₄ eq.
Photochemical Ozone Creation	0.0672	kg ethene eq.
Acidification	0.675	kg SO ₂ eq.

Normalised data

Issue	Value	Western European Citizen's Annual Impacts
Climate Change	0.00788	12300 kg CO ₂ eq. (100 yr.)
Water Extraction	0.00232	378 m ³
Mineral Resource Extraction	0.00101	24.4 tonnes
Stratospheric Ozone Depletion	0.000439	0.217 kg CFC11 eq.
Human Toxicity	0.000917	19700 kg 1,4-DB eq.
Ecotoxicity to Freshwater	0.00149	1320 kg 1,4-DB eq.
Nuclear Waste (higher level)	0.00907	2.37 x 10 ⁻⁵ m ³ high level waste
Ecotoxicity to Land	0.00128	123 kg 1,4-DB eq.
Waste Disposal	0.00932	3750 kg
Fossil Fuel Depletion	0.00578	273 GJ
Eutrophication	0.00166	32.5 kg PO ₄ eq.
Photochemical Ozone Creation	0.00312	21.5 kg ethene eq.
Acidification	0.00948	71.2 kg SO ₂ eq.

BRE Ecopoints score: 0.414 Ecopoints

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Characterised and normalised data for:

Floor Finishes: Soft floor coverings

Balsan PA6 solution dyed tufted carpet tile, pile weight up to 600 g/m², bitumen backing, total weight up to 4.16 kg/m² (Avenue, Metropolitan Grafik, Impact/Winter)

1 m² over 60-year study period

Quality of data for profiled material

Start date	01/01/2016
End Date	31/12/2016
Representativeness	2 sites representing 100% production
LCA Methodology	BRE Environmental Profiles Methodology 2008
Allocation	100% to product
Date of data entry	21/07/2017
Boundary	Cradle to Grave over 60-year study period
Applicable buildings	Retail (Replacement by Fashion)
Source of data	Company records
Geography	France

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

BRE Ecopoints score: 0.556 Ecopoints

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1 m² over 60-year study period

Characterised Data

Issue	Value	Unit
Climate Change	130	kg CO ₂ eq. (100 yr.)
Water Extraction	1.14	m ³
Mineral Resource Extraction	0.0343	tonnes
Stratospheric Ozone Depletion	0.000132	kg CFC11 eq.
Human Toxicity	24.6	kg 1,4-DB eq.
Ecotoxicity to Freshwater	2.67	kg 1,4-DB eq.
Nuclear Waste (higher level)	0.000000276	m ³ high level waste
Ecotoxicity to Land	0.215	kg 1,4-DB eq.
Waste Disposal	48.7	kg
Fossil Fuel Depletion	2130	MJ
Eutrophication	0.074	kg PO ₄ eq.
Photochemical Ozone Creation	0.0927	kg ethene eq.
Acidification	0.925	kg SO ₂ eq.

Normalised data

Issue	Value	Western European Citizen's Annual Impacts
Climate Change	0.0106	12300 kg CO ₂ eq. (100 yr.)
Water Extraction	0.00303	378 m ³
Mineral Resource Extraction	0.00141	24.4 tonnes
Stratospheric Ozone Depletion	0.000607	0.217 kg CFC11 eq.
Human Toxicity	0.00125	19700 kg 1,4-DB eq.
Ecotoxicity to Freshwater	0.00203	1320 kg 1,4-DB eq.
Nuclear Waste (higher level)	0.0117	2.37 x 10 ⁻⁵ m ³ high level waste
Ecotoxicity to Land	0.00174	123 kg 1,4-DB eq.
Waste Disposal	0.013	3750 kg
Fossil Fuel Depletion	0.0078	273 GJ
Eutrophication	0.00228	32.5 kg PO ₄ eq.
Photochemical Ozone Creation	0.0043	21.5 kg ethene eq.
Acidification	0.013	71.2 kg SO ₂ eq.

BRE Ecopoints score: 0.556 Ecopoints

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