

## Appendix to Certificate of Approval

Appendix Number: ENP499ey Issue: 4

### BALSAN

Usine de Corbilly  
36330 LE POINCONNET  
France

Characterised and normalised data for:

### Floor Finishes: Soft floor coverings

Balsan broadloom carpet, 100% recycled PA6 solution dyed tufted, pile weight 1050 g/m<sup>2</sup>, textile backing, total weight 2.61 kg/m<sup>2</sup> (French Couture)

1 m<sup>2</sup> 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	20/09/2017
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: 0.372 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 broadloom carpet, 100% recycled PA6 solution dyed tufted, pile weight 1050 g/m<sup>2</sup>, textile backing, total weight 2.61 kg/m<sup>2</sup> (French Couture)  
1 m<sup>2</sup> over 60-year study period

### Characterised Data

Issue	Value	Unit
Climate Change	68.8	kg CO <sub>2</sub> eq. (100 yr.)
Water Extraction	1.52	m <sup>3</sup>
Mineral Resource Extraction	0.0276	tonnes
Stratospheric Ozone Depletion	0.0000688	kg CFC11 eq.
Human Toxicity	18.6	kg 1,4-DB eq.
Ecotoxicity to Freshwater	4.9	kg 1,4-DB eq.
Nuclear Waste (higher level)	0.000000181	m <sup>3</sup> high level waste
Ecotoxicity to Land	0.264	kg 1,4-DB eq.
Waste Disposal	22.8	kg
Fossil Fuel Depletion	1300	MJ
Eutrophication	0.0657	kg PO <sub>4</sub> eq.
Photochemical Ozone Creation	0.0426	kg ethene eq.
Acidification	0.361	kg SO <sub>2</sub> eq.

### Normalised data

Issue	Value	Western European Citizen's Annual Impacts
Climate Change	0.0056	12300 kg CO <sub>2</sub> eq. (100 yr.)
Water Extraction	0.00404	378 m <sup>3</sup>
Mineral Resource Extraction	0.00113	24.4 tonnes
Stratospheric Ozone Depletion	0.000317	0.217 kg CFC11 eq.
Human Toxicity	0.000942	19700 kg 1,4-DB eq.
Ecotoxicity to Freshwater	0.00372	1320 kg 1,4-DB eq.
Nuclear Waste (higher level)	0.00765	2.37 x 10 <sup>-5</sup> m <sup>3</sup> high level waste
Ecotoxicity to Land	0.00215	123 kg 1,4-DB eq.
Waste Disposal	0.00609	3750 kg
Fossil Fuel Depletion	0.00478	273 GJ
Eutrophication	0.00202	32.5 kg PO <sub>4</sub> eq.
Photochemical Ozone Creation	0.00198	21.5 kg ethene eq.
Acidification	0.00507	71.2 kg SO <sub>2</sub> eq.

**BRE Ecopoints score: 0.372 Ecopoints**

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Scheme Manager

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## Appendix to Certificate of Approval

Appendix Number: ENP499ez Issue: 4

### BALSAN

Usine de Corbilly  
36330 LE POINCONNET  
France

Characterised and normalised data for:

### Floor Finishes: Soft floor coverings

Balsan broadloom carpet, 100% recycled PA6 solution dyed tufted, pile weight 1050 g/m<sup>2</sup>, textile backing, total weight 2.61 kg/m<sup>2</sup> (French Couture)

1 m<sup>2</sup> 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	20/09/2017
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: 0.497 Ecopoints**

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## Appendix No: ENP499ez

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### Floor Finishes: Soft floor coverings

Balsan broadloom carpet, 100% recycled PA6 solution dyed tufted, pile weight 1050 g/m<sup>2</sup>, textile backing, total weight 2.61 kg/m<sup>2</sup> (French Couture)  
1 m<sup>2</sup> over 60-year study period

### Characterised Data

Issue	Value	Unit
Climate Change	91.2	kg CO <sub>2</sub> eq. (100 yr.)
Water Extraction	2.05	m <sup>3</sup>
Mineral Resource Extraction	0.0383	tonnes
Stratospheric Ozone Depletion	0.000095	kg CFC11 eq.
Human Toxicity	25.3	kg 1,4-DB eq.
Ecotoxicity to Freshwater	6.76	kg 1,4-DB eq.
Nuclear Waste (higher level)	0.000000229	m <sup>3</sup> high level waste
Ecotoxicity to Land	0.363	kg 1,4-DB eq.
Waste Disposal	31.8	kg
Fossil Fuel Depletion	1740	MJ
Eutrophication	0.0904	kg PO <sub>4</sub> eq.
Photochemical Ozone Creation	0.0585	kg ethene eq.
Acidification	0.487	kg SO <sub>2</sub> eq.

### Normalised data

Issue	Value	Western European Citizen's Annual Impacts
Climate Change	0.00742	12300 kg CO <sub>2</sub> eq. (100 yr.)
Water Extraction	0.00543	378 m <sup>3</sup>
Mineral Resource Extraction	0.00157	24.4 tonnes
Stratospheric Ozone Depletion	0.000437	0.217 kg CFC11 eq.
Human Toxicity	0.00128	19700 kg 1,4-DB eq.
Ecotoxicity to Freshwater	0.00514	1320 kg 1,4-DB eq.
Nuclear Waste (higher level)	0.00966	2.37 x 10 <sup>-5</sup> m <sup>3</sup> high level waste
Ecotoxicity to Land	0.00295	123 kg 1,4-DB eq.
Waste Disposal	0.00849	3750 kg
Fossil Fuel Depletion	0.0064	273 GJ
Eutrophication	0.00278	32.5 kg PO <sub>4</sub> eq.
Photochemical Ozone Creation	0.00271	21.5 kg ethene eq.
Acidification	0.00684	71.2 kg SO <sub>2</sub> eq.

**BRE Ecopoints score: 0.497 Ecopoints**

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## Appendix to Certificate of Approval

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### BALSAN

Usine de Corbilly  
36330 LE POINCONNET  
France

Characterised and normalised data for:

### Floor Finishes: Soft floor coverings

Balsan broadloom carpet, 100% recycled PA6 solution dyed tufted, pile weight 1050 g/m<sup>2</sup>, textile backing, total weight 2.61 kg/m<sup>2</sup> (French Couture)

1 m<sup>2</sup> 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	20/09/2017
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: 0.375 Ecopoints**

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## Appendix No: ENP499fa

Issue: 4

### BALSAN

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### Floor Finishes: Soft floor coverings

Balsan broadloom carpet, 100% recycled PA6 solution dyed tufted, pile weight 1050 g/m<sup>2</sup>, textile backing, total weight 2.61 kg/m<sup>2</sup> (French Couture)  
1 m<sup>2</sup> over 60-year study period

### Characterised Data

Issue	Value	Unit
Climate Change	69.7	kg CO <sub>2</sub> eq. (100 yr.)
Water Extraction	1.49	m <sup>3</sup>
Mineral Resource Extraction	0.0276	tonnes
Stratospheric Ozone Depletion	0.0000679	kg CFC11 eq.
Human Toxicity	18.6	kg 1,4-DB eq.
Ecotoxicity to Freshwater	4.91	kg 1,4-DB eq.
Nuclear Waste (higher level)	0.000000187	m <sup>3</sup> high level waste
Ecotoxicity to Land	0.264	kg 1,4-DB eq.
Waste Disposal	22.8	kg
Fossil Fuel Depletion	1310	MJ
Eutrophication	0.0657	kg PO <sub>4</sub> eq.
Photochemical Ozone Creation	0.0423	kg ethene eq.
Acidification	0.363	kg SO <sub>2</sub> eq.

### Normalised data

Issue	Value	Western European Citizen's Annual Impacts
Climate Change	0.00567	12300 kg CO <sub>2</sub> eq. (100 yr.)
Water Extraction	0.00396	378 m <sup>3</sup>
Mineral Resource Extraction	0.00113	24.4 tonnes
Stratospheric Ozone Depletion	0.000313	0.217 kg CFC11 eq.
Human Toxicity	0.000944	19700 kg 1,4-DB eq.
Ecotoxicity to Freshwater	0.00373	1320 kg 1,4-DB eq.
Nuclear Waste (higher level)	0.00789	2.37 x 10 <sup>-5</sup> m <sup>3</sup> high level waste
Ecotoxicity to Land	0.00215	123 kg 1,4-DB eq.
Waste Disposal	0.00609	3750 kg
Fossil Fuel Depletion	0.00482	273 GJ
Eutrophication	0.00202	32.5 kg PO <sub>4</sub> eq.
Photochemical Ozone Creation	0.00197	21.5 kg ethene eq.
Acidification	0.0051	71.2 kg SO <sub>2</sub> eq.

**BRE Ecopoints score: 0.375 Ecopoints**

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