

Appendix to Certificate of Approval

Appendix Number: ENP529j Issue: 1

BASF plc
 19 Broad Ground Road
 Redditch
 B98 8YP



Characterised and normalised data for:

Floor Finishes: Soft floor coverings

MasterTop 1327-16dB total weight 5.12 kg/m² (P617 primer 0.5 kg/m², BC329 elastic underlayment 1.8 kg/m², BC325N body coat 2.7 kg/m², TC417W top coat 0.12 kg/m²)

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 | 09/06/2017 |
| Boundary | Cradle to Grave over 60-year study period |
| Applicable buildings | Office, Education, Health & Retail (replacement by durability) |
| Source of data | Company records |
| Geography | D/CH |

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

BRE Ecopoints score: 0.374 Ecopoints

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

Signed for BRE Global Ltd.

Emma Baker
 Scheme Manager

25 July 2017
 Date of Issue

24 July 2020
 Expiry Date



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1 m² over 60-year study period

Characterised Data

| Issue | Value | Unit |
|-------------------------------|-------------|----------------------------------|
| Climate Change | 72.2 | kg CO ₂ eq. (100 yr.) |
| Water Extraction | 1.73 | m ³ |
| Mineral Resource Extraction | 0.0301 | tonnes |
| Stratospheric Ozone Depletion | 0.0000909 | kg CFC11 eq. |
| Human Toxicity | 41.3 | kg 1,4-DB eq. |
| Ecotoxicity to Freshwater | 4.56 | kg 1,4-DB eq. |
| Nuclear Waste (higher level) | 0.000000133 | m ³ high level waste |
| Ecotoxicity to Land | 0.407 | kg 1,4-DB eq. |
| Waste Disposal | 15.3 | kg |
| Fossil Fuel Depletion | 1330 | MJ |
| Eutrophication | 0.0995 | kg PO ₄ eq. |
| Photochemical Ozone Creation | 0.0498 | kg ethene eq. |
| Acidification | 0.47 | kg SO ₂ eq. |

Normalised data

| Issue | Value | Western European Citizen's Annual Impacts |
|-------------------------------|----------|---|
| Climate Change | 0.00587 | 12300 kg CO ₂ eq. (100 yr.) |
| Water Extraction | 0.00459 | 378 m ³ |
| Mineral Resource Extraction | 0.00124 | 24.4 tonnes |
| Stratospheric Ozone Depletion | 0.000418 | 0.217 kg CFC11 eq. |
| Human Toxicity | 0.00209 | 19700 kg 1,4-DB eq. |
| Ecotoxicity to Freshwater | 0.00346 | 1320 kg 1,4-DB eq. |
| Nuclear Waste (higher level) | 0.0056 | 2.37 x 10 ⁻⁵ m ³ high level waste |
| Ecotoxicity to Land | 0.00331 | 123 kg 1,4-DB eq. |
| Waste Disposal | 0.00408 | 3750 kg |
| Fossil Fuel Depletion | 0.00488 | 273 GJ |
| Eutrophication | 0.00306 | 32.5 kg PO ₄ eq. |
| Photochemical Ozone Creation | 0.00231 | 21.5 kg ethene eq. |
| Acidification | 0.00659 | 71.2 kg SO ₂ eq. |

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