# Forbo Environmental Data Sheet

| Product name | Marmoleum Decibel Sheet |
|---|---|
| Product description | Marmoleum Decibel is a resillient floor covering complying with all the requirements of EN-ISO 24011: Specification for plain and decorative linoleum. Marmoleum Decibel provides the reduction of impact sound by 18 dB |
| Manufacturing location | Kirkcaldy, United Kingdom |
| Site accreditation | ISO14001, ISO 9001, ISO 45001, SA8000® |

## Our footprint – how it's made

### Environmental data

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| Total recycled content of product by weight | 46% |
| Post industrial recycled content | 46% |
| Post consumer recycled content | 0% |
| % renewable electricity used | 100% |

### Independent assessment and rating

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|---|---|
| Nordic Swan | |
| Allergy UK Seal of Approval | |
| ISO 9001 Quality Management System | |
| ISO 14001 Environmental Management System | |
| ISO 45001 Occupational Health and Safety Management | |
| Marmoleum is manufactured in a SA8000® certified facility | |

### Carbon footprint

| Estimated carbon footprint using data from Environmental product declaration according to ISO 14025 | Raw materials and production | 0.815 kg $CO_2$ eq/m$^2$ |
|---|---|---|
| | Use (1 year) | 0.316 kg $CO_2$ eq/m$^2$ |

## Your footsteps – how it performs

### Health and well being

| AgBB/DiBT | Pass |
|---|---|
| CHPS 01350 | Marmoleum products comply to 01350 indoor air quality standard |
| Air quality | Allergy UK Seal of Approval |
| Impact sound reduction | 18 dB |
| Bacteriostatic properties | Marmoleum has independent tests to prove that it inhibits bacteria such as MRSA, C Difficile, Norovirus, Acinetobacter baumannii |

### Installation

| Recommended adhesives | Forbo recommends the use of 540 EuroSafe Special. For more information about adhesives and environmental impact, contact **info.eurocol@forbo.com**. |
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| | Installation off-cuts of Marmoleum can be collected via our **Back to the Floor** scheme and recycled back into Marmoleum at our plant in Assendelft. |

**Maintenance**

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| Topshield Pro | Unique dual layer finish. Resistant to staining and scuffing so reducing the amount of cleaning required. Can be completely rennovated. |

**End of life**

Marmoleum Decibel End-of-Life can be collected and recycled via our take back service.

## Contribution to Green Building Schemes

**BREEAM-NL**

| Potential direct or indirect contribution to following categories and credits: | **New Building and Renovation** | MAT01 Environmental impact of building materials<br>MAT03 Responsible sourcing of building materials |
|---|---|---|
| | **In-Use** | RSC11 Measures for future re-use of materials and waste<br>RSC16 Circular origin of incoming products and materials |

**LEED (version 4.1)**

| Potential direct or indirect contribution to following categories and credits: | **Materials and Resources** | Material Ingredient Reporting - HPD |
|---|---|---|

**LEED (version 4)**

| Potential direct or indirect contribution to following categories and credits: | **Materials and Resources** | Building product disclosure and optimisation |
|---|---|---|
| | | Building product disclosure and optimisation - sourcing of raw materials |
| | | Construction and demolition waste management |
| | **Indoor environmental quality** | Low emitting materials |
| | | Acoustic performance |

**Forbo design principles (Reduce, Recycle, Reuse, Renew)**

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|---|---|
| **Reduce** | Marmoleum's Topshield Pro finish significantly reduces cleaning and maintenance costs in life. Reduced VOC emissions from calendering process by introducing rapeseed oil. |
| **Reuse** | All Marmoleum site offcuts can be returned to Forbo for reprocessing using our **Back to the Floor** initiative. |
| **Recycle** | Marmoleum Decibel End-of-Life can be recycled.<br>Packaging is made from recycled materials and can be recycled externally again. |
| **Renew** | All Marmoleum is produced using 100% renewable electricity. |

**Detailed environmental product declarations and full Life Cycle Analysis**

visit **www.forbo-flooring.nl/downloads** for more information