

Forbo Environmental Data Sheet

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| Product name | Marmoleum 2.5mm Sheet |
| Product description | Marmoleum is a linoleum floor covering complying with all the requirements of EN-ISO 24011: Specification for plain and decorative linoleum |
| Manufacturing location | Kirkcaldy, United Kingdom |
| Site accreditation | ISO14001, ISO 9001, OHSAS 18001, SA8000® |



Our footprint – how it's made

Environmental data

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| Total recycled content of product by weight | 43% |
| Post industrial recycled content | 43% |
| Post consumer recycled content | 0% |
| % renewable electricity used | 100% |
| CO ₂ per m ² | 5.9kg |

Independent assessment and rating

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| Nordic Swan | |
| Natureplus | |
| Allergy UK Seal of Approval | |
| ISO 9001 Quality Management System | |
| ISO 14001 Environmental Management System | |
| Marmoleum is manufactured in a SA8000® certified facility | |

Carbon footprint

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| Estimated carbon footprint using data from Environmental product declaration according to ISO 14025 | Raw materials and production | 0.022 kg CO ₂ eq/m ² |
| | Use (1 year) | 0.36 kg CO ₂ eq/m ² |

Your footsteps – how it performs

Health and well being

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| AgBB/DiBT | Pass |
| CHPS 01350 | Marmoleum products comply to 01350 indoor air quality standard |
| Air quality | Approved by Allergy UK |
| Impact sound reduction | 5dB |
| Bacteriostatic properties | Marmoleum has independent tests to prove that it inhibits bacteria such as MRSA, C Difficile, Norovirus, Acinetobacter baumannii |

Installation

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| Recommended adhesives | Forbo recommends the use of 414/696 Euroflex lino plus low solvent . Fast tack linoleum adhesive. Where contribution to credits for BREEAM sections HEA2 and HEA9 are required then low emission adhesive Eurocol 614 Eurostar Lino plus should be used. If a permanent bond is required, please use Eurocol 640 Eurostar special. |
| | Installation off-cuts of Marmoleum can be collected via our Back to the Floor scheme and recycled back into Marmoleum at our plant in Scotland. |

Maintenance

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| Topshield2 | Unique dual layer finish. Resistant to staining and scuffing so reducing the amount of cleaning required. Can be completely renovated, unlike PUR finishes. |
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End of life

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| Marmoleum can be recycled or composted. |
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Contribution to Green Building Schemes

BREEAM

| BREEAM ratings (generic) Linoleum – Plain and decorative linoleum (EN548) | Building Type | | | | Retail (Durability) | Retail (Fashion) |
|---|---------------|-----------|------------|-------|------------------------|---------------------|
| | Office | Education | Healthcare | Homes | | |
| | A | A+ | A+ | A | A+ | A+ |

Ska scheme (RICS)

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| M12 soft floor covering criteria (Ska Offices Vs 1.2 2013) | Meets |
| M12 soft floor covering criteria (Ska Retail Vs 1.0 2012) | Meets |
| M12 soft floor covering criteria (Ska Higher Education Vs 1.0 2016) | Meets |

LEED (version 2.2)

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| Potential direct or indirect contribution to following categories and credits: | Indoor Environmental Quality | Credit 4.1 Low Emitting Materials: Adhesive & Sealants | Credit 4.3 Low emitting Materials |
| | Materials and Resources | Credit 2.1 Construction Waste Management | Credit 4.1 Recycled content Credit 5.1 Regional materials |
| | Innovation and Design | Credits 1-4 1 Climate Neutral Products | Credits 1-4 1 Pilot Credit 43, Certified Products |

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

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| Reduce | Marmoleum’s Topshield2 finish significantly reduces cleaning and maintenance costs in life. Marmoleum is made from 97% natural raw materials. |
| Reuse | All Marmoleum site offcuts can be returned to Forbo for reprocessing using our Back to the Floor initiative. After Marmoleum’s long life it can be incinerated for landfill and this reclaims more energy that is used in production. It is also biodegradable in a controlled environment. |
| Recycle | Packaging used to deliver raw materials is separated and recycled externally. |
| Renew | All Marmoleum is produced using 100% renewable electricity. Marmoleum contains 72% of rapidly renewable materials, i.e. they can be harvested within 10 years of planting |

Detailed environmental product declarations and full Life Cycle Analysis

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| EPD declaration number 12CA64879.101.1 | visit www.forbo-flooring.co.uk/downloads for more information |
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