

## Forbo Environmental Data Sheet

<b>Product name</b>	<b>Marmoleum 2.5mm Sheet</b>
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 Assendelft, Netherlands
Range names	Marmoleum Marbled, Marmoleum Solid, Marmoleum Linear and Marmoleum Ohmex



### Our footprint – how it's made

Environmental data	
Total recycled content of product by weight	43%
Post industrial recycled content	43%
Post consumer recycled content	0%
% renewable electricity used	100%

Independent assessment and rating	
Nordic Swan	
Natureplus	
Allergy UK Seal of Approval	
ISO 9001 Quality Management System	
ISO 14001 Environmental Management System	
OHSAS 18001	
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	-0.042 kg CO <sub>2</sub> eq/m <sup>2</sup>
	Use (1 year)	0.331 kg CO <sub>2</sub> eq/m <sup>2</sup>

### 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	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

Recommended adhesives	Forbo recommends the use of 414/614 Eurostar Lino EL <b>low solvent</b> . 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 <b>Back to the Floor</b> scheme and recycled back into Marmoleum at our plant in Scotland.

**Maintenance**

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**

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

**BREEAM 2014**

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+

**BREEAM 2018**

BREEAM 2018 – compliant through EPD declaration number 12CA64879.101.1
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**Ska scheme (RICS)**

M12 soft floor covering criteria	(Ska Offices Vs 1.2 2013) Meets	(Ska Retail Vs 1.0 2012) Meets	(Ska Higher Education Vs 1.0 2016) Meets
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**LEED (version 4)**

Potential direct or indirect contribution to following categories and credits:	<b>Materials and Resources</b>	Building product disclosure and optimisation - EPD up to 2 points
		Building product disclosure and optimisation - sourcing of raw materials - up to 1 point
		Construction and demolition waste management up to 2 points
	<b>Indoor environmental quality</b>	Low emitting materials up to 3 points
		Acoustic performance up to 1 point

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

<b>Reduce</b>	Marmoleum’s Topshield2 finish significantly reduces cleaning and maintenance costs in life. Marmoleum is made from 97% natural raw materials.
<b>Reuse</b>	All Marmoleum site offcuts can be returned to Forbo for reprocessing using our <b>Back to the Floor</b> 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.
<b>Recycle</b>	Packaging used to deliver raw materials is separated and recycled externally.
<b>Renew</b>	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**

visit [www.forbo-flooring.co.uk/downloads](http://www.forbo-flooring.co.uk/downloads) for more information