

## Forbo Environmental Data Sheet

<b>Product name</b>	<b>Marmoleum Decibel Sheet</b>
Product description	Marmoleum Decibel is a resilient 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
Range names	Marmoleum Acoustic



### Our footprint – how it’s made

#### Environmental data

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

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	0.815 kg CO <sub>2</sub> eq/m <sup>2</sup>
	Use (1 year)	0.316 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	18dB
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, a <b>solvent free</b> adhesive or 640 Eurostar Special a <b>very low Voc</b> emission adhesive. Where contribution to credits for BREEAM sections HEA2 and HEA9 are required then low emission adhesive Eurocol 640 Eurostar Special 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 4788294459.114.1
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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. Reduced VOC emissions from calendaring process by introducing rapeseed oil.
<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.

**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