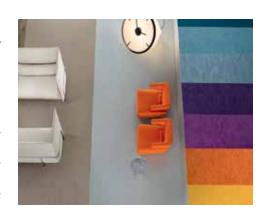


Forbo Environmental Data Sheet

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		
Range names	Marmoleum Acoustic		



Our footprint - how it's made

Environmental data		Independent assessment and rating			
Total recycled content of product by weight	46%	Nordic Swan			
		Natureplus	natureph Residualism		
Post industrial recycled content	46%	Allergy UK Seal of Approval	*		
Post consumer recycled content	0%	ISO 9001 Quality Management System	GI ety exposed		
% renewable electricity used	100%	ISO 14001 Environmental Management System	001 reserved represent		
		OHSAS 18001	HSAS 93(11 constraint satisfact satisfact satisfact		
		Marmoleum is manufactured in a SA8000® certified facility	SAL		

Carbon footprint

Estimated carbon footprint using	Raw materials and production	0.815 kg CO ₂ eq/m ²
data from Environmental product		2011 00 12
declaration according to ISO 14025	Use (1 year)	0.316 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	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 solvent free adhesive or 640 Eurostar Special a very low Voc 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 Back to the Floor scheme and recycled				

back into Marmoleum at our plant in Scotland.



creating better environments

Topshield2	Unique dual layer finish. Resistant to staining and scuffing so reducing the amount of cleaning required. Can be completely rennovated, unlike PUR finishes.							
End of life								
	Marmoleum can be recycled or composted.							
Contribution to Green	Building Sc	hemes						
BREEAM 2014								
BREEAM ratings (generic) Linoleum – Plain and decorative linoleum (EN548)	Building Typ Office A	e Education A+	Healthcare A+	Homes A	Retail (Durability) A+	Retail (Fashion) A+		
BREEAM 2018								
	BREEAM 2018 compliant through EPD declaration number 4788294459.114.1							
Ska scheme (RICS)								
M12 soft floor covering criteria	(Ska Offices Vs 1.2 2013) Meets		(Ska Retail Vs 1.0 2012) Meets		(Ska Higher Ec Meets	(Ska Higher Education Vs 1.0 2016 Meets		
LEED (version 4)								
Potential direct or indirect contribution to following categories and credits:	Materials and Resources		Building prod	Building product disclosure and optimisation - EPD up to 2 points				
			Building product disclosure and optimisation - sourcing of ramaterials - up to 1 point			ourcing of raw		
			Construction and demolition waste management up			nt up to 2 points		
	Indoor environmental quality		Low emitting materials up to 3 points					
		Acoustic performance up to 1			1 point			
Forbo design principles (Reduce	e, Recycle, Reus	se, Renew)						
Reduce	Marmoleum's Topshield2 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. 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 seperated and recycled externally.							
Renew	All Marmoleum is produced using 100% renewable electricity.							
Detailed environmental produc		and full Life Cve	lo Analysis					

Forbo Flooring Systems reserves the right to improve the specification of its products without giving prior notice. Errors and omissions excepted.