

## **Forbo Environmental Data Sheet**

Product name	Marmoleum 2.0mm 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	Assendelft, Netherlands
Site accreditation	ISO14001, ISO 9001, ISO18001



# Our footprint - how it's made

Environmental data		Independent assessment and rating	
Total recycled content		Nordic Swan	A
of product by weight	43%	Natureplus	
Post industrial recycled content	43%	Cradle to Cradle Silver	,
Post consumer recycled content	0%	Allergy UK Seal of Approval	
% renewable electricity used	100%	ISO 9001 Quality Management System	(S)
CO2 per m <sup>2</sup>	5.9kg	ISO 14001 Environmental Management System	(
		ISO 18001	

#### **Carbon footprint**

Estimated carbon footprint using data from Environmental product declaration according to ISO 14025		0.2 kg CO <sub>2</sub> eq/m <sup>2</sup>
	Use (1 year)	0.36 kg CO <sub>2</sub> eq/m <sup>2</sup>

## Your footsteps - how it performs

### Health and well being

AgBB/DiBT	Pass		
Air quality	Approved by Allergy UK		
Impact sound reduction	4dB		
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 414/696 Euroflex lino plus <b>low solvent</b> . Fast tack linoluem 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 <b>Back to the Floor</b> scheme and recycled back into Marmoleum at our plant in Scotland.		



#### creating better environments

Maintenance									
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	Buildina S	chemes							
BREEAM	<b>g</b> -								
	Duilding Tu	•••			Potail/Loisuro	Dotail/Loiguro			
BREEAM ratings (generic) Linoleum – Plain and decorative linoleum (EN548)	<b>Building Ty</b> Offices A	Schools A+	Healthcare A+	Domestic A+	Retail/Leisure (Durability) A+	Retail/Leisure (Fashion) A+			
Ska scheme (RICS)									
M12 soft floor covering criteria (Ska offices Vs 1,2.2013)	Meets								
M12 soft floor covering criteria (Ska retail Vs 1,0.2012)	Meets								
LEED (version 2.2)									
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 (Reduc	e, Recycle, Reu	se, Renew)							
Reduce	Marmoleum's Topshield2 finish significantly reduces cleaning and maintenance costs in life. Reduced installation waste disposal by 27 tonnes in 2012. Marmoleum is made from 97% natural raw materials.								
Reuse	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.								
Recycle	Packaging used to deliver raw materials is seperated and recycled externally.								
Renew	All Marmoleum is produced using 100% renewable electricity. Marmoleum contains 72% of rapdily renewable materials, i.e. they can be harvested within 10 years of planting								
Detailed environmental produc	t declarations	and full Life Cyd	cle Analysis						
EPD declaration number 12CA64879.101.1	visit <b>www.fc</b>	rbo-flooring.co.	<b>uk/downloads</b> fo	r more informati	on				