

Name Marmoleum Tile with Topshield 2



Product ID Color Varies See Notes Classification 09 65 00.00 Finishes: Resilient Flooring

Website www.forboflooringna.com

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Description Marmoleum Tile is a homogeneous floor covering made from natural ingredients including linseed oil, rosin binders, wood flour, limestone and dry pigments. They are mixed and then calendared onto a polyester backing to ensure optimum dimensional stability. Topshield 2 is a high performance finish. It is double UV cured double layer technology delivers extraordinary performance and clear and vibrant colors that remain overtime. Topshield 2 creates a 'ready to use' Marmoleum that requires no initial maintenance or polymer application. The surface can be repaired or refreshed in cases of accidents or after years of intensive use.

Release Date 2015-03-30 Expiry Date 2018-03-30
HPD URL https://tool.hpdcollaborative.org/uploads/files/hpds/202/142-20150330125009.pdf
Certifier Certicate #

SUMMARY DISCLOSURE

The content of this product was assessed for health hazard warnings as required using Pharos

Residuals Disclosure Full Disclosure of Intentional Ingredients
Measured 100 ppm (ideal) Measured 1000 ppm
Predicted by process chemistry As per MSDS (1,000 & 10,000 ppm)
Not disclosed Other
Full Disclosure of Known Hazards
Disclosure Notes

Contents in Descending Order of Quantity

Cellulose , LINSEED OIL , LIMESTONE; CALCIUM CARBONATE , TALL OIL , POLYETHYLENE TEREPHTHALATE (PET) , Titanium dioxide , GUM ROSIN , Iron oxide , FERRIC OXIDE , FERRIC OXIDE YELLOW , TopShield 2 water-based acrylic finish

Hazards Highest concern GreenScreen score - List Translator Benchmark 1
PBT (Persistent Bioaccumulative Toxic) Development Reproductive Endocrine Respiratory
Cancer Respiratory
Gene Mutation
Neurotoxicity Land toxicity Multiple Unknown
Mammal Physical hazard
Skin or Eye Global warming
Aquatic toxicity Ozone depletion

Total VOC Content Material (g/L) N/A Regulatory (g/L) N/A
Does the product contain exempt VOCs? N/A Yes No
Are there VOC-free tints available? N/A Yes No

Notes

Certifications + Compliance

VOC Emissions CA Section 01350 (CHPS) Emission Test - CDPH/EHLB Standard Method V1.1 - Classroom & Office scenario VOC Content N/A
LCA Environmental Product Declaration (EPD) Multi-attribute MTS SMART Building Product Standard -

The HPD Standard is solely a declaration of product content and direct health hazards associated with exposure to its individual contents. It is not a full assessment of environmental impacts from the life cycle of this product. It is not an assessment of risks associated with actual use of the product. It does not address the potential health impacts of substances used or created during manufacture that do not appear in the final product as residuals, nor substances created during combustion or other degradation processes.

This Health Product Declaration was generated following the requirements of the noted Standard version and is valid for a total of three years after date of issue or three months after a substantive change of product contents occurs. Users should verify that this Health Product Declaration is compliant with the most current version of the HPD Standard. Accuracy of claims made in this Health Product Declaration is the sole responsibility of the listed manufacturer and certifier (if applicable). The HPD Collaborative does not warrant any claim made herein, explicit or implicit. The HPD Standard is an “open standard” developed and managed by the HPD Collaborative, a nonprofit organization. For more information, visit hpdcollaborative.org.

CONTENT IN DESCENDING ORDER OF QUANTITY

All ingredients must be assessed for health warnings against Priority Hazard Lists, regardless of disclosure level.

Priority Hazard Lists and information on the GreenScreen Benchmarks can be found at www.hpdcollaborative.org/hazardlists.

GS: GreenScreen Benchmark; **RC:** Recycled Content, **PC:** Post Consumer, **PI:** Post Industrial (Pre-consumer), **BO:** Both; **Nano:** comprised of nanoscale particles or nanotechnology

Name	CAS RN	% weight	GS	RC	Nano	Role
Hazard A	Warning A					
Hazard B	Warning B					
Hazard C	Warning C					
Hazard D	Warning D					
Hazard E	Warning E					
Notes						
Cellulose	9004-34-6	39.66 %		U	N	Filler
None found	No warnings found on HPD Priority lists					
Cellulose is mix of different species of wood. The specific brand name that Forbo Flooring Systems uses in Marmoleum is Lignocel C 120. LIGNOCEL® C 120 is not classified as dangerous according to directive 67/548/EEC, directive 1999/45/EC and regulation 1272/2008 (CLP). Information pertaining to special dangers for human and environment: Adverse physiochemical effects: Capable of causing dust explosions. Adverse human health effects and symptoms: N/A Adverse environmental effects: N/A Other adverse hazards: Substance is combustible. Substance related information: CAS-No: N/A EC-No: N/A INDEX-NO: N/A REACH Registration No: N/A Purity: 100 % Synonyms: N/A Stabilizers: N/A Hazardous impurities: N/A						
LINSEED OIL	8001-26-1	25.92 %		N	N	Binder
None found	No warnings found on HPD Priority lists					
LIMESTONE; CALCIUM CARBONATE	1317-65-3	12.21 %	LT-U	N	N	Filler
None found	No warnings found on HPD Priority lists					
TALL OIL	8002-26-4	7.66 %	LT-U	U	N	Filler
RESPIRATORY	AOEC: Asthmagen (ARs) - sensitizer-induced					
SKIN SENSITIZE	MAK: Sensitizing Substance Sh - Danger of skin sensitization					
POLYETHYLENE TEREPHTHALATE (PET)	25038-59-9	6.82 %	LT-U	U	N	Backing

None found	No warnings found on HPD Priority lists					
Titanium dioxide	13463-67-7	3.83 %	LT-1	U	N	Pigment
CANCER	NIOSH-C: Occupational carcinogen (also in Prop 65, IARC, MAK)					
GUM ROSIN	8050-09-7	2.41 %	LT-U	N	N	Binder
SKIN IRRITATION	EU H-Statements: H317 May cause an allergic skin reaction					
SKIN SENSITIZE	EU R-Phrases: R43: May cause sensitization by skin contact. (also in MAK)					
Iron oxide	1317-61-9	0.1 - 0.96 %	LT-U	U	N	Pigment
CANCER	MAK: Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification					
FERRIC OXIDE	1309-37-1	0.1 - 0.96 %	2	U	N	Pigment
CANCER	MAK: Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification					
FERRIC OXIDE YELLOW	51274-00-1	0.1 - 0.96 %	LT-U	U	N	Pigment
None found	No warnings found on HPD Priority lists					
TopShield 2 water-based acrylic finish	UNC10957	0.1 - 0.3 %		U	U	Finish
None found	No warnings found on HPD Priority lists					
<p>Topshield2 is the UV cured topcoat on Marmoleum creates a "ready to use" flooring that requires no initial maintenance or polymer application. The surface can be repaired or refreshed in cases of accidents or after years of intensive use. Topshield is a unique and trade proprietary formulation to maximize the performance of linoleum floor that yields competitive advantage in the marketplace and therefore composition cannot be fully disclosed. For FULL disclosure of toxicity impacts according to SETAC, etc, please see our Marmoleum EPD with toxicity addendum.</p>						

CERTIFICATIONS AND COMPLIANCE

Certifying Party = First: Manufacturer's self-declaration; Second: Verification by trade association or other interested party; Third: Verification by independent certifier (ideal).

Applicable facilities = Manufacturing sites to which testing applies.

Type	Standard or Certification			Certifier or Laboratory
	Certifying Party	Issue Date	Expiry Date	Certificate URL
	Applicable Facilities			
	Notes			
VOC Emissions	CA Section 01350 (CHPS) Emission Test - CDPH/EHLB Standard Method V1.1 - Classroom & Office scenario			Berkeley Analytical
	1st party manufacturer claim	2014-11-18	2016-11-18	www.chpsregistry.com/live/public
	Forbo Flooring Systems North America			

VOC Content	N/A			
Recycled Content	Not tested			
LCA	Environmental Product Declaration (EPD)		The Green Standard	
	3rd party independent certification	2013-01-18	2018-01-17	www.ul.com
	ALL			
Multi-attribute	MTS SMART Building Product Standard - Platinum (2006)		Institute for Market Transformation to Sustainability (MTS)	
	3rd party independent certification	2013-04-11	2016-04-11	mts.sustainableproducts.com/SMaRT_Certified.html
	Forbo Flooring Systems North America			

ACCESSORY MATERIALS

This section is for additional products required by warranty or recommended by the manufacturer for installation (such as adhesives, fasteners, or factory coatings) or for maintenance, cleaning, or operations. Refer to Health Product Declarations, published separately, for a complete view of these products.

Note: This declaration is not intended to address hazards of the installation process.

Required or Recommended Product	URL for Companion Health Product Declaration
Condition when required or recommended and/or other notes	
L885	
Adhesive used for installation	
Sustain 885m	
Adhesive used for installation	
Forbo Neutral pH Cleaner	
Can be used during regular cleaning and routine maintenance.	
Forbo Residential Floor Finish	
Can be used during routine maintenance in a residence.	
Forbo Matte Finish	
Can be used during routine maintenance.	

Forbo Semi Gloss Finish	
Can be used during routine maintenance.	
Forbo Heavy Duty Cleaner	
Can be used during routine maintenance.	
Forbo Spraybuff	
Can be used during routine maintenance.	
Forbo Mop on Restorer	
Can be used during routine maintenance.	

NOTES

Products lines that fall under the category of Marmoleum Tile are Marmoleum Dual Tile and Marmoleum Composition Tile (MCT).