



Shaw Industries, Inc.

616 E. Walnut Ave.

Dalton, GA 30721

October 2013

To Whom It May Concern:

Shaw Industries is committed to manufacturing the most beautiful and sustainable flooring products in the world. As the world's largest carpet manufacturer, it is our responsibility to set the standard for environmental excellence in our industry by being mindful and conscientious stewards of our product ingredients and manufacturing processes. As a pilot manufacturer of the Health Product Declaration Collaborative (HPD) and an early adopter of the MBDC Cradle to Cradle design philosophy, Shaw is well-versed in the intricacies of both these programs.

The Health Product Declaration Collaborative is designed to create a clear and transparent report for identifying the contents and associated health hazards for building materials. The HPD Collaborative provides an online template for manufacturers to complete Health Product Declarations for individual products. Manufacturers are encouraged to self-declare 99% of total product content into one of three categories: intentional ingredients, residuals or hazards.

The Cradle to Cradle (C2C) certification program, now governed through the Cradle to Cradle Products Innovation Institute, is a comprehensive and rigorous multi-attribute process for evaluating a product in five separate categories: material health, material reutilization, renewable energy and carbon management, water stewardship and social fairness. The material health assessment of a C2C certified product involves external verification of a product's safety for human health and the environment, assessing both the hazards of a product's raw material ingredients down to 100 ppm (0.01%) as well as a defined continuous improvement path for optimizing product design and manufacturing processes. It requires the active participation and ingredient disclosure by a product's raw material suppliers.

The U.S. Green Building Council's new LEED v4 rating systems have a Materials and Resource credit for building product disclosure and optimization that recognize both Health Product Declarations and Cradle to Cradle certification as acceptable pathways for reporting material ingredients. Shaw Industries embraces Cradle to Cradle product design and certification, which achieves the outcomes of an HPD, with the added dimension of assessments of proprietary ingredients and third party certification.



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The requested HPD is attached. We hope that you will use it, along with our Cradle to Cradle certification and knowledge of Shaw's commitment to sustainability, to specify the best products for your building project.

If you have any additional questions about Shaw's sustainability efforts or our product certifications, please feel free to reach out to me or your sales representative.

Sincerely,

A handwritten signature in blue ink, appearing to read "Troy Virgo", is positioned above the typed name.

Troy Virgo

Director of Sustainability & Product Stewardship

Shaw Industries, Inc.

troy.virgo@shawinc.com

706-275-2185

Name **EcoWorx Tile with EcoSolution Q Face Fiber**
 Product ID Classification CSI MasterFormat 09 68 13
 Website
 Manufacturer Shaw Industries Contact Name Kellie Ballew
 Address 1010 V D Parrot Jr. Parkway Title Product Sustainability Manager
 Address Line 2 Mail Drop 19-01 Phone 706-275-2200
 City, State, Code Dalton, GA 30720 Email kellie.ballew@shawinc.com



Description This HPD is for all carpet tile products with EcoWorx backing and EcoSolution Q face fiber, ranging from 16-40 oz/sq yd face weight.

Release Date 26-Mar-2014 Self-declared
 Expiry Date 25-Mar-2017 Second Party Certifier N/A
 HPD URL Third Party Certificate #

SUMMARY

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

Residuals Disclosure Full Disclosure of Intentional Ingredients Yes No
 Measured 100 ppm (ideal) Full Disclosure of Known Hazards Yes No
 Measured 1000 ppm
 Predicted by process chemistry Disclosure Notes
 As per MSDS (1,000 & 10,000 ppm) A full disclosure of intentional ingredients is not possible with current IP standards and patent restrictions. However, all intentional ingredients not protected by IP have been disclosed below. Residuals have not been assessed.
 Not disclosed
 Other

Contents in Descending Order of Quantity (if the area below is full, refer to the following pages for additional listings)

Coal Fly Ash, Nylon 6, Polyethylene copolymer, Limestone, Vinyl Acetate/Ethylene Copolymer, Hydrocarbon Resin, Polyethylene Terephthalate (PET), Aluminum Hydroxide, 2,5 Furandione modified ethylene/hexane - 1 polymer, Glass Oxide & Continuous filament glass fibers.

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

Total VOC Content

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

Certifications and Compliance (if the area below is full, refer to the following pages for additional listings)

VOC Emissions Green Label Plus (commercial) VOC Content
 Cradle to Cradle NSF 140

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 post industrial and post consumer; Nano: comprised of nanoscale particles or nanotechnology.

Ingredient Name	number	% 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						
Coal Fly Ash	68131-74-8	25-40%	U	PI	No	Backing
None Found	No warnings found on HPD Priority Lists					
With varying face weights in carpet products, weight % can also vary.						
Nylon 6	25038-54-4	15-40%	U	BO	No	Face Fiber and Backing
None Found	No warnings found on HPD Priority Lists					
With varying face weights in carpet products, weight % can also vary.						
Polyethylene copolymer	Undisclosed	5-20%	U	No	No	Backing
None Found	No warnings found on HPD Priority Lists					
With varying face weights in carpet products, weight % can also vary. Currently, this chemical is considered intellectual property.						
Limestone	1317-65-3	5-10%	U	No	No	Backing
None Found	No warnings found on HPD Priority Lists					
With varying face weights in carpet products, weight % can also vary.						
Vinyl Acetate/Ethylene Copolymer	24937-78-8	5-8%	U	No	No	Backing
None Found	No warnings found on HPD Priority Lists					
With varying face weights in carpet products, weight % can also vary.						
Hydrocarbon Resin	68003-51-0	3-6%	U	No	No	Backing
None Found	No warnings found on HPD Priority Lists					
With varying face weights in carpet products, weight % can also vary.						
Polyethylene Terephthalate (PET)	25038-59-9	3-6%	U	PC	No	Backing
None Found	No warnings found on HPD Priority Lists					
With varying face weights in carpet products, weight % can also vary.						
Aluminum Hydroxide	21645-51-2	3-6%	U	No	No	Backing
None Found	No warnings found on HPD Priority Lists					
With varying face weights in carpet products, weight % can also vary.						

2,5 Furandione modified ethylene/hexane - 1 polymer	9006-26-2	0.5-3%	U	No	No	Backing
None Found	No warnings found on HPD Priority Lists					
With varying face weights in carpet products, weight % can also vary.						
Glass Oxide & Continuous filament glass fibers	65997-17-3	0.5-3%	U	BO	No	Backing
None Found	No warnings found on HPD Priority Lists					
With varying face weights in carpet products, weight % can also vary.						

CERTIFICATIONS AND COMPLIANCE

Certifying Party = Self declaration : Manufacturer's self-declaration; **Independent lab** : Manufacturer's self-declaration using results from an independent lab and declaration of conformance. **Second Party**: Verification by trade association or other interested party; **Third Party**: 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			Certification & Compliance Notes
VOC Emissions <i>(interior products only)</i>	Green Label Plus (commercial)			Carpet and Rug Institute
	Third Party	30-Jun-2012	30-Jun-2014	http://www.carpet-rug.org/documents/GLPCarpetCertificates/Shaw%2014X%20GLP%209968%2006302014.pdf
	All			
VOC Content <i>(wet applied only)</i>				
Recycled Content	SCS Recycled Content			Scientific Certification Systems (SCS)
	Third Party	7-Jul-2011	10-Apr-2014	http://www.scs-certified.com/products/cert_pdfs/Shaw_2013_SCS-SEC-02418_s.pdf
	All			
Other	Cradle to Cradle			Cradle to Cradle Products Innovation Institute
	Third Party		21-Feb-2015	http://www.c2ccertified.org/products/scorecard/ecoworx_carpet_tiles
	All			Achieved V2.1.1 silver level certification
Other	NSF 140			Scientific Certification Systems (SCS)
	Third Party		1-Aug-2015	Achieved platinum level certification
	All			
Other				
Other				
Other				
Other				

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	
01 LokDots carpet tile adhesive	http://www.shawcontractgroup.com/Content/LiteraturePDFs/SCG_pdf/SCG_LokDots_tearsheet.pdf
Approved for EcoWorx Tile installations.	
02 Shaw 5000 PSA carpet tile adhesive	http://www.shawcontractgroup.com/Content/LiteraturePDFs/Adhesive_pdf/Adhesive5000.pdf
Approved for EcoWorx Tile installations.	
03 Shaw N5900 PSA adhesive for high moisture slabs	http://www.shawcontractgroup.com/Content/LiteraturePDFs/Adhesive_pdf/5900Adhesive.pdf
Approved for EcoWorx Tile installations.	
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