PRODUCT ATTRIBUTE REPORT

Transparency Declaration



USG Mars[™] Acoustical Panels

Manufactured by USG Interiors, LLC

This product transparency report summarizes the environmental performance and chemical inventory of the ingredients in USG Mars[™], Mars[™] HRC, Mars[™] High-CAC, Mars[™] Healthcare, Mars[™] Clean Room, Mars[™] Healthcare High CAC, Mars[™] Healthcare AirCare, Mars[™] High NRC, and Mars[™] Healthcare High NRC Acoustical Panels for building professionals and those seeking to understand the product's life-cycle impacts. The data presented in this document may be helpful for obtaining LEED[®] v4 credits.

SUSTAINABILITY DATA

Corporate Sustainability Report	Available at www.usg.com/sustainability	Certifications:
Low VOC Emissions	CDPH 01350 v1.1-2010 compliant	
Total VOCs After 14 days	0.5 mg/m ³ or less	and the second
VOC Content	Not applicable	PRODUCT CRETITIED TOR PRODUCT CRETITIED TOR COM CAL MACAL EMPSION
Rapid Renewing Materials	2.6 - 3.4%	UL COM/CCC UL DEM

REGIONAL MATERIALS & RECYCLED CONTENT

Manufacturing Plant	Product	Raw materials ≤500 miles	Raw materials ≤100 miles	Pre-Consumer recycled content	Post-Consumer recycled content
Cloquet, MN	Mars™	93.5%	5.7%	69.7%	0.0%
-	Mars™ HRC	93.5%	5.7%	60.8%	20.7%
	Mars™ High-CAC	93.5%	5.7%	71.8%	0.0%
	Mars™ Healthcare	92.0%	4.7%	68.6%	0.0%
	Mars™ Clean Room	93.5%	5.7%	60.8%	20.7%
	Mars™ Healthcare High CAC	92.0%	4.7%	71.8%	0.0%
	Mars™ Healthcare AirCare	91.8%	5.6%	68.6%	0.0%
	Mars™ High NRC (80 NRC)	93.5%	5.7%	70.1%	0.0%
	Mars™ High NRC (85 NRC)	93.5%	5.7%	65.9%	0.0%
	Mars™ High NRC (90 NRC)	93.5%	5.7%	66.9%	0.0%
	Mars™ Healthcare High NRC (80 NRC)	92.0%	4.7%	70.1%	0.0%
	Mars [™] Healthcare High NRC (85 NRC)	92.0%	4.7%	65.9%	0.0%

Mars and Mars High-NRC are available as Planks with the same values as reported.

	TAL PRODUCT I on the Mars [™] product cradil ATMOSPHERE			-	I impacts per one square foot (12" x 12") ceiling panel. PRIMARY ENERGY/SERVICE LIFE/END OF LIFE		
Global Warming Potential	Ozone Depletion Potential	Photochemical Ozone Creation Potential	Acidification Potential	Eutrophication Potential	Primary Energy: 13.0 MJ Assumed Service Life: Life of building with minor repair and standard maintenance. End of Life Use: While USG encourages recycling of its ceiling panels through its take back program, all ceiling panel waste generated during installation and		
0.743 kg CO ₂ eq	7.25E-09 kg CFC-11 eq	3.84E-02 kg O₃ eq	2.20E-03 kg SO ₂ eq	2.15E-04 kg N eq	at end-of-life is assumed to be disposed of in an appropriate landfill. 3 rd Party Certified by UL Environment		

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HEALTH PRODUCT TRANSPARENCY - LEEDv4 Qualification MR Credit: Product Disclosure and Optimization

Option 1 Material Ingredient Reporting Manufacturer Inventory (1 Point)

Ingredients are listed in order of content in the final product. Information provided for ingredients down to 1,000 ppm (0.1% of product composition). All ingredients were screened using GreenScreen® List Translator. Ingredients on a hazard list are marked with a (X). Percent may change due to manufacturing variations.

Ingredient	dient CAS RN Percent Role Chemical Review				ew			Notes				
	List Tran			ransl	nslator ²							
				LBC Red List ¹	IARC ³	MAK⁴	NTP-RoC ⁵	Prop 65 ⁶	REACH⁷	USEPA TRI ⁸	Other GS Lists	
Basemat												
Mineral wool	65997-17-3	80.0-85.0%	Core									
Starch	9005-25-8	2.2 - 4.5%	Binder									
Proprietary	Undisclosed	1.0 - 1.5%	Thermoplastic binder									Highest concern GreenScreen® score-LT-U CAS RN not in List Translator system
Stucco	26499-65-0	0.0 - 1.7%	Filler									
Laminate												
Fiberglass	65997-17-3	0.7 - 1.5%	Structural core									
Aluminum hydroxide	21645-51-2	0.5 - 1.0%	Fire retardant									
Polyvinyl alcohol	9002-89-5	0.3 - 0.5%	Binder		х							IARC Group 3 - Agent is not classifiable as to its carcinogenicity to humans
Proprietary	Undisclosed	0.1 - 0.2%	Binder									Highest concern GreenScreen® score-LT-U
Coating												
Kaolin clay	1332-58-7	1.5 - 4.0%	Paint filler			Х						German MAK - Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification
Calcined kaolin	92704-41-1	1.5 - 4.0%	Paint filler									
Titanium dioxide	13463-67-7	0.2 - 0.6%	Coating pigment									Since titanium dioxide is bound with in the coating and not inhalable, it is excluded from several regulatory hazard lists
Calcium carbonate	471-34-1	0.0 - 2.5%	Paint filler									
Proprietary	Undisclosed	0.0 - 0.6%	Paint binder									Highest concern GreenScreen® score-LT-U
Proprietary	Undisclosed	0.0 - 0.3%	Water repellant									Highest concern GreenScreen® score-LT-U
Proprietary	Undisclosed	0.0 - 0.2%	Formaldehyde scavenger									Highest concern GreenScreen® score-LT-U
			GreenScreen® Benchmark Score Key for List Translator Assessment									
AUTHORIZED		LT		· · · · · · · · · · · · · · · · · · ·								
GreenScreen®				-P1	_	Possible Benchmark 1						
	PRACTITIONER					1-2 1-3		Search for Safer Substitutes Still Opportunity for Improvement				
			_	1-4	-	Prefer-Safer Chemical						
This review was prepared by an Authorized GreenScreen® Practitioner			LT	-U	Ir	Insufficient information from List Translator lists for Benchmark score						



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REFERENCES

- 1. Living Building Challenge[™] (LBC) Red List A list of chemicals and materials that are known to pose a risk to human health and the ecosystem. Source: http://living-future.org/lbc
- 2. GreenScreen® List Translator: An assessment and hazard classification tool that identifies chemicals on GreenScreen Authoratative and Screening Lists. Source: http://www.pharosproject.net/
- 3. International Agency for Research on Cancer (IARC) Specialized agency of the World Health Organization that Identifies and categorizes chemicals, mixtures, occupational exposures, physical and biological agents, and lifestyle factors that can increase the risk of cancer. Source: http://monographs.iarc.fr/ENG/Classification/ClassificationsAlphaOrder.pdf
- 4. Commission of Germany Maximum Concentrations and Biological Tolerance Values at the Workplace (MAK) Carcinogenic Substances Source: http://onlinelibrary.wiley.com/doi/10.1002/9783527682027.ch3/pdf
- 5. National Toxicology Program Report on Carcinogens (NTP-RoC) Interagency program that evaluates agents of public health and provides information on toxic chemicals. Source: http://ntp.niehs.nih.gov/pubhealth/roc/roc13/
- 6. California Proposition 65 (Prop 65) California law that regulates chemicals known to cause cancer, birth defects or other reproductive harm, and informs citizens about exposures to such chemicals. Source: http://oehha.ca.gov/prop65/prop65_list/Newlist.html
- 7. Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) Candidate List of substances of very high concern for Authorization, updated 17 December 2014. Source: http://echa.europa.eu/information-on-chemicals
- United States Environmental Protection Agency Toxic Release Inventory Listed Chemicals (USEPA TRI) Chemicals that cause cancer, chronic human health effects, significant adverse acute human health effects, or environmental effects. Source: http://www2.epa.gov/toxics-release-inventory-tri-program/tri-listed-chemicals

GreenScreen* for Safer Chemicals is a method for comparative Chemical Hazard Assessment (CHA) that can be used for identifying chemicals of high concern and safer alternatives. Drivers for chemical hazard assessment include regulatory standards and ecolabels including; AOEC, Boyes-N, CEPA, DOT, DSL, EPA lists, EU lists, G&L, IARC, MAK, NIOSH-C, NTP lists, NWP Priority, OR P3, OSPAR, PIC, Prop 65, Stockholm, TEDX, TRI PBT, WA PBT, WHMIS, GHS Country lists, SIN, and VwVwS. The US Green Building Council has recently included GreenScreen* in its LEED* rating system v4. Pre and Post-Consumer recycled content as defined by the Federal Trade Commission.

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Page 3 of 3