

## Securock® Brand Gypsum-Fiber Roof Board

Manufactured by United States Gypsum Company

This product transparency report summarizes the environmental performance and chemical inventory of the ingredients in Securock® Brand Gypsum-Fiber Roof Board 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 <a href="http://www.usg.com/sustainability">www.usg.com/sustainability</a>
Low VOC Materials	GreenGuard Gold, CDPH 01350 v1.1-2010 testing pending
Total VOCs after 14 days	Testing pending
VOC Content	Not applicable
Rapid Renewing Materials	0.0%

### REGIONAL MATERIALS & RECYCLED CONTENT

Manufacturing Plant	Size	Raw materials ≤500 miles	Raw materials ≤100 miles	Pre-Consumer recycled content	Post-Consumer recycled content
Gypsum, OH	5/8"	97.4%	0.0%	97.0%	0.0%
	1/2"	97.4%	0.0%	97.0%	0.0%
	3/8"	97.4%	0.0%	97.0%	0.0%
	1/4"	97.4%	0.0%	97.0%	0.0%

### ENVIRONMENTAL PRODUCT DECLARATION (EPD)

This section is pending update and will be available when the EPD is published.

### HEALTH PRODUCT TRANSPARENCY – LEED v4 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	CAS RN	Role (Percent of proprietary ingredients)	Chemical Review								Notes
			List Translator <sup>2</sup>								
			LBC Red List <sup>1</sup>	IARC <sup>3</sup>	MAK <sup>4</sup>	NIOSH-C <sup>5</sup>	NTP-RoC <sup>6</sup>	Prop 65 <sup>7</sup>	REACH <sup>8</sup>	USEPA TRI <sup>9</sup>	
Gypsum	13397-24-5	Core									
Cellulose	9004-34-6	Core strengthening									
Poly(methylhydro siloxane)	63148-57-2	Water repellent									
Proprietary	Undisclosed	Catalyst 0.1-0.9%									Highest concern GreenScreen® score - LT-U

Raw materials in this product may contain trace amounts of respirable crystalline silica. Testing has shown exposures to respirable crystalline silica are not expected to exceed the OSHA Permissible Exposure Level (PEL) during the normal use of this product. See the SDS on [usg.com](http://usg.com) for occupational exposure information.

# PRODUCT ATTRIBUTE REPORT

## Transparency Declaration

Securock® Brand Gypsum-Fiber Roof Board

### 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 Authoritative 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 Institute for Occupational Safety and Health Occupational Cancer List (NIOSH-C) – Potential occupational carcinogens. Source: <http://www.cdc.gov/niosh/topics/cancer/npotocca.html>
6. 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/>
7. 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](http://oehha.ca.gov/prop65/prop65_list/Newlist.html)
8. 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>
9. 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. The GreenScreen® List Translator can be used to quickly identify GreenScreen® BM 1 (Benchmark 1 and Possible Benchmark 1; Avoid - Chemical of High Concern) Chemicals. Pre and Post-Consumer recycled content as defined by the Federal Trade Commission.