

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						
Undisclosed (Trade Secret)	Undisclosed	0 - 90 %	U	BO	U	Core Component
None found	No warnings found on HPD Priority lists					
% listed is the maximum amount of the ingredient used in ToughRock FireGuard X Gypsum Product Formulation						
Undisclosed (Trade Secret)	Undisclosed	0 - 89.1 %	U	PI	N	Core Component
None found	No warnings found on HPD Priority lists					
% listed is the maximum amount of the ingredient used in ToughRock FireGuard X Gypsum Product Formulation						
Undisclosed (Trade Secret)	Undisclosed	0 - 5 %	U	N	N	Binder
None found	No warnings found on HPD Priority lists					
% listed is the maximum amount of the ingredient used in ToughRock FireGuard X Gypsum Product Formulation						
Undisclosed (Trade Secret)	Undisclosed	0 - 4.9 %	U	PI	N	Structural Stability
None found	No warnings found on HPD Priority lists					
% listed is the maximum amount of the ingredient used in ToughRock FireGuard X Gypsum Product Formulation						
Undisclosed (Trade Secret)	Undisclosed	0 - 4.8 %		PC	N	Wallboard Paper
None found	No warnings found on HPD Priority lists					

% listed is the maximum amount of the ingredient used in ToughRock FireGuard X Gypsum Product Formulation. Ingredient details listed under HPD Notes Detail

Undisclosed (Trade Secret)	Undisclosed	0 - 4.4 %	4	N	N	Various Roles
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None found No warnings found on HPD Priority lists

% listed is the maximum amount of the ingredient used in ToughRock FireGuard X Gypsum Product Formulation

Undisclosed (Trade Secret)	Undisclosed	0 - 2 %	LT-1	N	N	Strength Agent
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DEVELOPMENTAL EU R-Phrases: R61: May cause harm to the unborn child. (also in MAK)

REPRODUCTIVE EU R-Phrases: R60: May impair fertility. (also in EU H-Statements, EU SVHC, EU CMR (2))

ENDOCRINE EU ED: Category 1 - In vivo evidence of endocrine disruption activity (also in TEDX)

MULTIPLE SIN: Classified CMR (Carcinogen, Mutagen &/or Reproductive Toxicant)

% listed is the maximum amount of the ingredient used in ToughRock FireGuard X Gypsum Product Formulation

Undisclosed (Trade Secret)	Undisclosed	0 - 1.8 %	LT-U	PI	N	Core Component
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None found No warnings found on HPD Priority lists

% listed is the maximum amount of the ingredient used in ToughRock FireGuard X Gypsum Product Formulation

Undisclosed (Trade Secret)	Undisclosed	0 - 1.6 %	LT-U	N	N	Wallboard Paper
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None found No warnings found on HPD Priority lists

% listed is the maximum amount of the ingredient used in ToughRock FireGuard X Gypsum Product Formulation

Undisclosed (Trade Secret)	Undisclosed	0 - 1.4 %	LT-1	PC	N	Core Component
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CANCER IARC: Group 1: Agent is carcinogenic to humans - inhaled from occupational sources (also in NIOSH-C, MAK, NTP-RoC, Prop 65)

% listed is the maximum amount of the ingredient used in ToughRock FireGuard X Gypsum Product Formulation

Undisclosed (Trade Secret)	Undisclosed	0 - 1 %	3	N	N	Preventor of End Burns
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None found No warnings found on HPD Priority lists

% listed is the maximum amount of the ingredient used in ToughRock FireGuard X Gypsum Product Formulation

Undisclosed (Trade Secret)	Undisclosed	0 - 0.89 %	LT-U	PC	N	Core Component
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None found No warnings found on HPD Priority lists

% listed is the maximum amount of the ingredient used in ToughRock FireGuard X Gypsum Product Formulation

Undisclosed (Trade Secret)	Undisclosed	0 - 0.89 %	LT-U	PC	N	Core Component
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None found No warnings found on HPD Priority lists

% listed is the maximum amount of the ingredient used in ToughRock FireGuard X Gypsum Product Formulation

Undisclosed (Trade Secret)	Undisclosed	0 - 0.45 %	LT-U	N	N	Core Component
None found	No warnings found on HPD Priority lists					
% listed is the maximum amount of the ingredient used in ToughRock FireGuard X Gypsum Product Formulation						
Undisclosed (Trade Secret)	Undisclosed	0 - 0.45 %	LT-U	N	N	Core Component
None found	No warnings found on HPD Priority lists					
% listed is the maximum amount of the ingredient used in ToughRock FireGuard X Gypsum Product Formulation						
Undisclosed (Trade Secret)	Undisclosed	0 - 0.39 %	LT-U	N	N	Water Reducing Agent
None found	No warnings found on HPD Priority lists					
% listed is the maximum amount of the ingredient used in ToughRock FireGuard X Gypsum Product Formulation						
Undisclosed (Trade Secret)	Undisclosed	0 - 0.38 %	LT-P1	N	N	Set Additive
MULTIPLE	VwWwS: Class 2 Hazard to Waters					
% listed is the maximum amount of the ingredient used in ToughRock FireGuard X Gypsum Product Formulation						
Undisclosed (Trade Secret)	Undisclosed	0 - 0.28 %	LT-P1	N	N	Foaming Agent
MULTIPLE	VwWwS: Class 2 Hazard to Waters					
% listed is the maximum amount of the ingredient used in ToughRock FireGuard X Gypsum Product Formulation						
Undisclosed (Trade Secret)	Undisclosed	0 - 0.27 %	LT-P1	N	N	Wallboard Paper
MULTIPLE	VwWwS: Class 2 Hazard to Waters					
% listed is the maximum amount of the ingredient used in ToughRock FireGuard X Gypsum Product Formulation						
Undisclosed (Trade Secret)	Undisclosed	0 - 0.15 %	LT-U	N	N	Edge Glue Component
CANCER	MAK: Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification					
% listed is the maximum amount of the ingredient used in ToughRock FireGuard X Gypsum Product Formulation						
Undisclosed (Trade Secret)	Undisclosed	0 - 0.15 %	LT-1	N	N	Edge Glue Component
DEVELOPMENTAL	NTP-OHAaT: A-Clear evidence of adverse developmental toxicant effects (also in Prop 65)					
MAMMALIAN	EU R-Phrases: R25: Toxic if swallowed. (also in EU H-Statements)					
ORGAN TOXICANT	EU R-Phrases: R39: Danger of very serious irreversible effects. (also in EU H-Statements)					
FLAMMABLE	EU H-Statements: H225 Highly flammable liquid and vapour.					
% listed is the maximum amount of the ingredient used in ToughRock FireGuard X Gypsum Product Formulation						
Undisclosed (Trade Secret)	Undisclosed	0 - 0.05 %		PC	N	Structural Stability

None found	No warnings found on HPD Priority lists					
% listed is the maximum amount of the ingredient used in ToughRock FireGuard X Gypsum Product Formulation. Ingredient details listed under HPD Notes Section						
Undisclosed (Trade Secret)	Undisclosed	0 - 0.05 %		N	N	Foaming Agent
None found	No warnings found on HPD Priority lists					
% listed is the maximum amount of the ingredient used in ToughRock FireGuard X Gypsum Product Formulation						
Undisclosed (Trade Secret)	Undisclosed	0 - 0.04 %	LT-P1	N	N	Set Additive
CANCER	EU R-Phrases: R40: Limited evidence of a carcinogenic effect (also in EU H-Statements)					
MAMMALIAN	EU R-Phrases: R22: Harmful if swallowed.					
EYE IRRITATION	EU R-Phrases: R36: Irritating to eyes. (also in EU H-Statements)					
MULTIPLE	VwWwS: Class 2 Hazard to Waters					
% listed is the maximum amount of the ingredient used in ToughRock FireGuard X Gypsum Product Formulation						
Undisclosed (Trade Secret)	Undisclosed	0 - 0.04 %		N	Y	Set Additive
None found	No warnings found on HPD Priority lists					
% listed is the maximum amount of the ingredient used in ToughRock FireGuard X Gypsum Product Formulation						
Undisclosed (Trade Secret)	Undisclosed	0 - 0.03 %		N	N	Set Additive
None found	No warnings found on HPD Priority lists					
% listed is the maximum amount of the ingredient used in ToughRock FireGuard X Gypsum Product Formulation						
Undisclosed (Trade Secret)	Undisclosed	0 - 0.01 %	LT-U	N	N	Set Additive
SKIN IRRITATION	EU H-Statements: H314 Causes severe skin burns and eye damage (also in EU R-Phrases)					
% listed is the maximum amount of the ingredient used in ToughRock FireGuard X Gypsum Product Formulation						
Undisclosed (Trade Secret)	Undisclosed	0 - 0.01 %		N	N	Set Additive
None found	No warnings found on HPD Priority lists					
% listed is the maximum amount of the ingredient used in ToughRock FireGuard X Gypsum Product Formulation						
Undisclosed (Trade Secret)	Undisclosed	0 %	LT-1	N	N	Wallboard Paper
CANCER	EPA-C: (2005) Likely to be carcinogenic to humans (also in IARC, EU CMR (1), NTP-RoC, EU R-Phrases, EU H-Statements, Prop 65, NIOSH-C, MAK, EU SVHC, EU CMR (2))					
DEVELOPMENTAL	NTP-OHAaT: A-Clear evidence of adverse developmental toxicant effects (also in Prop 65)					
REPRODUCTIVE	NTP-OHAaT: A-Clear evidence of adverse reproductive toxicant effects (also in Prop 65, EU R-Phrases, EU H-Statements)					
GENE MUTATION	EU R-Phrases: R46: May cause heritable genetic damage. (also in EU H-Statements, EU CMR (1), EU SVHC, EU CMR (2))					
MAMMALIAN	EU R-Phrases: R25: Toxic if swallowed. (also in EU H-Statements)					

EYE IRRITATION	EU R-Phrases: R36: Irritating to eyes. (also in EU H-Statements)
SKIN IRRITATION	EU R-Phrases: R38: Irritating to skin. (also in EU H-Statements)
SKIN SENSITIZE	EU R-Phrases: R43: May cause sensitization by skin contact. (also in MAK)
ORGAN TOXICANT	EU R-Phrases: R48: Danger of serious damage to health by prolonged exposure. (also in EU H-Statements)
MULTIPLE	SIN: Classified CMR (Carcinogen, Mutagen &/or Reproductive Toxicant) (also in VwVwS)
% listed is the maximum amount of the ingredient used in ToughRock FireGuard X Gypsum Product Formulation	

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	GreenGuard - Indoor Air Quality Certified			GreenGuard Environmental Institute (GEI)
	3rd party independent certification	2009-07-01	2015-06-01	www.buildgp.com/sustainability
	All			
	Applies to entire ToughRock Fireguard C Gypsum Board Product			
VOC Content	N/A			
Recycled Content	Not tested			
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	
Drywall Nails or Screws	
To fasten product to wood framing	
20-Guage or Type S-12 Screws	
To fasten product to steel framing	

NOTES

Recycled Old Corrugated Containers (OCC) composes about 40-80% of the Wallboard Paper Component of the Product and 4.8% of the final ToughRock formulation. The supplier was unable to provide additional information on the OCC. The OCC is obtained and used in manufacturing by Harmon. Harmon details that the OCC is a rippled middle layer that is sandwiched between two layers of liner-board. Mills use old corrugated containers to make new recycled-content shipping boxes, as well as recycled paperboard for product packaging. On Harmon's website at: <http://www.gpharmon.com/corrugated>, it is stated that the OCC is unbleached and contains recovered corrugate boxes from various commercial and residential sources. Fiberglass Sizing composes less than 1% of the Wet Chop Fiberglass component and is polymer coating that is applied to fiberglass to help protect the glass filaments for processing and manipulation. The supplier was unable to provide additional information on the fiberglass sizing. The sizing ensures proper bonding of the resin matrix which keeps the fibers from "slipping" causing failure.