

CLASSIFICATION: 09 29 00.00 FINISHES: GYPSUM BOARD

PRODUCT DESCRIPTION: GOLD BOND® BRAND EXP® SHAFTLINER CONSISTS OF A MOISTURE- AND MOLD-RESISTANT GYPSUM CORE ENCASED IN A COATED, SPECIALLY DESIGNED PURPLE® FIBERGLASS MAT ON THE FACE, BACK AND SIDES. IT IS AVAILABLE IN A TYPE X CORE. THE GLASS MAT IS FOLDED AROUND THE LONG EDGES TO REINFORCE AND PROTECT THE CORE. USE IT TO CONSTRUCT LIGHTWEIGHT FIRE BARRIERS FOR CAVITY SHAFTWALLS (1-4 HR) AND AREA SEPARATION FIRE WALLS (2 HR). FOR EASE OF INSTALLATION, THE LONG EDGES OF EXP® SHAFTLINER ARE DOUBLE BEVELED. THIS HPD COVERS 1" GOLD BOND® BRAND EXP® SHAFTLINER GYPSUM BOARD.

Section 1: Summary

CONTENT INVENTORY

- Threshold per material
- 100 ppm
 - 1,000 ppm
 - Per GHS SDS
 - Per OSHA MSDS
 - Other

- Residuals and impurities considered in 2 of 2 materials
- see Section 2: Material Notes
 - see Section 5: General Notes

Based on the selected Content Inventory Threshold:

Characterized.....	<input checked="" type="radio"/>	<input type="radio"/>
Are the Percent Weight and Role provided for all substances?	Yes	No
Screened.....	<input checked="" type="radio"/>	<input type="radio"/>
Are all substances screened using Priority Hazard Lists with results disclosed?	Yes	No
Identified.....	<input type="radio"/>	<input checked="" type="radio"/>
Are all substances disclosed by Name (Specific or Generic) and Identifier?	Yes	No

CONTENT IN DESCENDING ORDER OF QUANTITY

Summary of product contents and results from screening individual chemical substances against HPD Priority Hazard Lists and the GreenScreen for Safer Chemicals®. The HPD does not assess whether using or handling this product will expose individuals to its chemical substances or any health risk. Refer to Section 2 for further details.

Number of Greenscreen BM-4/BM3 contents.....
0
Contents highest concern GreenScreen Benchmark or List translator Score..... LT-1
Nanomaterial..... No

**MATERIAL | SUBSTANCE | RESIDUAL OR IMPURITY
GREENSCREEN SCORE | HAZARD TYPE**

EXP GYPSUM CORE [GYPSUM **LT-UNK** GLASS / MINERAL FIBER **LT-UNK** | CAN STARCH **LT-UNK** SILOXANES AND SILICONES, DI-ME, POLYMERS WITH 3-MERCAPTOPROPYL SILSESQUIOXANES **LT-UNK** SODIUM POLYNAPHTHALENESULFONATE **LT-P1** | PBT] COATED FIBERGLASS MAT [LIMESTONE; CALCIUM CARBONATE **LT-UNK** GLASS / MINERAL FIBER **LT-UNK** | CAN KAOLIN CLAY **LT-UNK** | CAN UNDISCLOSED **LT-UNK** UNDISCLOSED **LT-UNK** MICA **LT-UNK** POTASSIUM METHYLSILANETRIOLATE **NoGS** POLYACRYLIC ACID, SODIUM SALT **LT-UNK** UNDISCLOSED **LT-P1** | RES SILICA, AMORPHOUS **LT-P1** QUARTZ **LT-1** | CAN]

INVENTORY AND SCREENING NOTES:

This Health Product Declaration (HPD) was completed in accordance with the HPD Standard version 2.0, and discloses hazards associated with all substances present at or above 1000 parts per million (ppm) in the finished product, along with the role and percent weight. Therefore, this HPD is consistent with the LEED v4 MR credit Building Product Disclosure and Optimization: Material Ingredient Reporting (Option 1).

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE

Other: UL Evaluation Report (UL ER R3501-02)

See Section 3 for additional listings.

<input checked="" type="radio"/> Self-Published*	VERIFIER:	SCREENING DATE: May 1, 2017	EXPIRY DATE*: May 1, 2020
<input checked="" type="radio"/> Third Party Verified	VERIFICATION #:	RELEASE DATE: May 15, 2017	* or within 3 months of significant change in product contents
*See HPDC website for details			



Section 2: Content in Descending Order of Quantity

This section lists materials in a product and the substances in each material based on the Inventory Threshold for each material. If residuals or impurities from the manufacturing or extraction processes are considered for a material, these are inventoried and characterized to the extent described in the Material and/or General Notes. Chemical substances are screened against the HPD Priority Hazard Lists for human and environmental health impacts. Screening is based on best available information; "Not Found" does not necessarily mean there is no potential hazard associated with the product or its contents. More information about Priority Hazard Lists and the GreenScreen can be found online: www.hpd-collaborative.org and www.greenscreenchemicals.org.

EXP GYPSUM CORE

%: 95.5000 - 97.0000

HPD URL:

Inventory Threshold: 1000 ppm

Residuals Considered: Yes

Material Notes: No residuals or impurities are known or expected to be present at or above the Content Inventory Threshold indicated that have a GS score of BM-1, LT-1 or LT-P1 based on batch testing, supplier SDS, and as predicted by process chemistry (Pharos CML).

GYPSUM

ID: 13397-24-5

%: 98.8000 - 99.2000

GS: LT-UNK

RC: PreC

NANO: NO

ROLE: Substrate

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: May also include CASRN 10101-41-4 (LT-UNK; No warnings found on HPD Priority lists). Five National Gypsum plants produce gypsum board exclusively with Pre-Consumer (Post-Industrial) byproduct gypsum [Shippingport, PA; Apollo Beach, FL; Mt. Holly, NC; Westwego, LA; Shoals, IN]. Ten National Gypsum plants produce gypsum board exclusively with natural rock gypsum [Burlington, NJ; Fort Dodge, IA; Long Beach, CA; Medicine Lodge, KS; National City, MI; Phoenix, AZ; Portsmouth, NH; Richmond, CA; Rotan, TX; Savannah, GA]. Two National Gypsum plants produce gypsum board with a blend of Pre-Consumer (Post-Industrial) byproduct gypsum and natural rock gypsum [Baltimore, MD; Waukegan, IL].

GLASS / MINERAL FIBER

ID: 65997-17-3

%: 0.3000 - 0.4000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Core Strength, Fire Resistance

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

EU - R-phrases

R40 - Limited Evidence of Carcinogenic Effects

CANCER

EU - GHS (H-Statements)

H351 - Suspected of causing cancer

SUBSTANCE NOTES: Identified on the US EPA Safer Chemical Ingredient List.

STARCH

ID: 9005-25-8

%: 0.3000 - 0.4000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Improves Binding, Core Strength

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Identified on the US EPA Safer Chemical Ingredient List.

SILOXANES AND SILICONES, DI-ME, POLYMERS WITH 3-MERCAPTOPROPYL SILSESQUIOXANES

ID: 108775-26-4

%: 0.1000 - 0.2000 GS: LT-UNK RC: None NANO: NO ROLE: Moisture Resistance

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Silicone

SODIUM POLYNAPHTHALENESULFONATE

ID: 9084-06-4

%: 0.0300 - 0.0400 GS: LT-P1 RC: None NANO: NO ROLE: Dispersant; Reduces process water demand and energy consumption

HAZARDS:

AGENCY(IES) WITH WARNINGS:

PBT

EC - CEPA DSL

Persistent, Bioaccumulative and inherently Toxic (PBiTH) to humans

SUBSTANCE NOTES: This substance falls below the Content Inventory Threshold indicated; however, we have included this substance in an effort to provide full transparency for this product. Efforts are being made to find a suitable replacement for this dispersant that has fewer hazards.

COATED FIBERGLASS MAT

%: 3.0000 - 4.5000

HPD URL:

Inventory Threshold: 1000 ppm

Residuals Considered: Yes

Material Notes: Residuals or impurities with the potential to be present at or above the Content Inventory Threshold indicated that return a GS score of BM-1, LT-1 or LT-P1 have been disclosed, based on information provided in supplier disclosure letters, supplier SDS, and as predicted by process chemistry (Pharos CML). Percent by weight of substances reported as a range in order to further protect the proprietary nature of this formulation.

LIMESTONE; CALCIUM CARBONATE

ID: 1317-65-3

%: 45.0000 - 50.0000 GS: LT-UNK RC: None NANO: NO ROLE: Filler

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Identified on the US EPA Safer Chemical Ingredient List.

GLASS / MINERAL FIBER

ID: 65997-17-3

%: 20.0000 - 25.0000 GS: LT-UNK RC: None NANO: NO ROLE: Substrate

HAZARDS:**AGENCY(IES) WITH WARNINGS:**

CANCER	EU - R-phrases	R40 - Limited Evidence of Carcinogenic Effects
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CANCER	EU - GHS (H-Statements)	H351 - Suspected of causing cancer
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SUBSTANCE NOTES: Identified on the US EPA Safer Chemical Ingredient List.

KAOLIN CLAY

ID: 1332-58-7

%: 20.0000 - 25.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Filler
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HAZARDS:**AGENCY(IES) WITH WARNINGS:**

CANCER	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification
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SUBSTANCE NOTES: Identified on the US EPA Safer Chemical Ingredient List.

UNDISCLOSED

%: 1.0000 - 5.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Binder
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HAZARDS:**AGENCY(IES) WITH WARNINGS:**

None Found	No warnings found on HPD Priority lists
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SUBSTANCE NOTES: Supplier has disclosed substance name and CASRN under a Non-Disclosure Agreement; substance to remain proprietary to supplier. Substance has been screened against the HPD Priority lists with results disclosed.

UNDISCLOSED

%: 1.0000 - 5.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Binder
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HAZARDS:**AGENCY(IES) WITH WARNINGS:**

None Found	No warnings found on HPD Priority lists
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SUBSTANCE NOTES: Supplier has disclosed substance name and CASRN under a Non-Disclosure Agreement; substance to remain proprietary to supplier. Substance has been screened against the HPD Priority lists with results disclosed.

MICA

ID: 12001-26-2

%: 0.1000 - 1.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Filler
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HAZARDS:**AGENCY(IES) WITH WARNINGS:**

None Found	No warnings found on HPD Priority lists
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SUBSTANCE NOTES:

POTASSIUM METHYLSILANETRIOLATE

ID: 31795-24-1

%: 0.1000 - 1.0000	GS: NoGS	RC: None	NANO: NO	ROLE: Water Repellent
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

POLYACRYLIC ACID, SODIUM SALT

ID: 9003-04-7

%: 0.1000 - 1.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Dispersant
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Identified on the US EPA Safer Chemical Ingredient List.

UNDISCLOSED

%: 0.1000 - 1.0000	GS: LT-P1	RC: None	NANO: NO	ROLE: Binder
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: Supplier has disclosed substance name and CASRN under a Non-Disclosure Agreement; substance to remain proprietary to supplier. Substance has been screened against the HPD Priority lists with results disclosed. Supplier has confirmed the upper limit for residuals of concern related to this binder component, which fall below the Content Inventory Threshold indicated for this material.

SILICA, AMORPHOUS

ID: 7631-86-9

%: Impurity/Residual	GS: LT-P1	RC: None	NANO: NO	ROLE: Impurity/Residual
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Potential Impurity/Residual of Glass/Mineral Fiber (Pharos CML).

%: Impurity/Residual	GS: LT-1	RC: None	NANO: NO	ROLE: Impurity/Residual
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HAZARDS:**AGENCY(IES) WITH WARNINGS:**

CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	IARC	Group 1: Agent is carcinogenic to humans - inhaled from occupational sources
CANCER	US NIH - Report on Carcinogens	Known to be Human Carcinogen (respirable size - occupational setting)
CANCER	MAK	Carcinogen Group 1 - Substances that cause cancer in man
CANCER	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route

SUBSTANCE NOTES: Quartz is one of several compounds with warnings restricted to respirable forms (Pharos CML). Exposures to respirable crystalline silica are not expected during the recommended use of this product. Awaiting full GreenScreen Assessment for form specific hazards for this compound (<http://ow.ly/Z5ken>).



Section 3: Certifications and Compliance

This section lists applicable certification and standards compliance information for VOC emissions and VOC content. Other types of health or environmental performance testing or certifications completed for the product may be provided.

OTHER

CERTIFYING PARTY: Third Party

APPLICABLE FACILITIES: All

CERTIFICATE URL:

<https://spot.ulprospector.com/documents/1497964.pdf?bs=31734&b=684279&st=1&r=na&ind=builtenvironment>

CERTIFICATION AND COMPLIANCE NOTES: UL ER R3501-02. **SUBJECT:** One, Two, Three, and Four-Hour Fire-Resistive Interior Partition Systems; One and Two-Hour Ceiling Assemblies; Two-Hour Horizontal Membrane and Duct Protection Assemblies. The assemblies consist of steel studs and tracks faced with Gold Bond Fire-Shield Shaftliner gypsum board on one side and Gold Bond gypsum board on the other side.

SCOPE OF EVALUATION - Compliance with the following codes: 2006, 2009, 2012, 2015 International Building Code (IBC); 2006, 2009, 2012, 2015 International Residential Code (IRC). The products were evaluated for the following properties: Fire-resistance-rated construction; Structural; Physical Properties; Surface Burning Characteristics; Noncombustibility.

UL Evaluation Report (UL ER R3501-02)

ISSUE DATE:	EXPIRY DATE:	CERTIFIER OR LAB:
2015-06-12	0000-00-00	UL



Section 4: Accessories

This section lists related products or materials that the manufacturer requires or recommends for installation (such as adhesives or fasteners), maintenance, cleaning, or operations. For information relating to the contents of these related products, refer to their applicable Health Product Declarations, if available.

GOLD BOND® FIRE-SHIELD® GYPSUM BOARDS

HPD URL: <http://designcenter.nationalgypsum.com/sustainability/category/health-product-declaration-hpd>

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Component of Gold Bond® Interior Partition Systems, as referenced in UL Evaluation Report (UL ER R3501-02).

GOLD BOND® FIRE-SHIELD® C GYPSUM BOARDS

HPD URL: <http://designcenter.nationalgypsum.com/sustainability/category/health-product-declaration-hpd>

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Component of Gold Bond® Interior Partition Systems, as referenced in UL Evaluation Report (UL ER R3501-02).

STEEL FRAMING

HPD URL: No HPD available

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Component of Gold Bond® Interior Partition Systems, as referenced in UL Evaluation Report (UL ER R3501-02).

FASTENERS

HPD URL: No HPD available

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: As referenced in UL Evaluation Report (UL ER R3501-02).

 **Section 5: General Notes**

Residuals and Impurities have been considered as stated in the Material Notes for each disclosed material.



MANUFACTURER INFORMATION

MANUFACTURER: National Gypsum Company

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Charlotte, NC 28211
USA

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KEY

OSHA MSDS Occupational Safety and Health Administration Material Safety Data Sheet

GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

Hazard Types

AQU Aquatic toxicity

GLO Global warming

PHY Physical Hazard (reactive)

CAN Cancer

MAM Mammalian/systemic/organ toxicity

REP Reproductive toxicity

DEV Developmental toxicity

MUL Multiple hazards

RES Respiratory sensitization

END Endocrine activity

NEU Neurotoxicity

SKI Skin sensitization/irritation/corrosivity

EYE Eye irritation/corrosivity

OZO Ozone depletion

LAN Land Toxicity

GEN Gene mutation

PBT Persistent Bioaccumulative Toxic

NF Not found on Priority Hazard Lists

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)

LT-P1 List Translator Possible Benchmark 1

BM-3 Benchmark 3 (use but still opportunity for improvement) BM-2
Benchmark 2 (use but search for safer substitutes)

LT-1 List Translator Likely Benchmark 1

BM-1 Benchmark 1 (avoid - chemical of high concern)

LT-UNK List Translator Benchmark Unknown (insufficient
information from List Translator lists to benchmark)

BM-U Benchmark Unspecified (insufficient data to benchmark)

UNK Unknown (no data on List Translator Lists)

Recycled Types

PreC Preconsumer (Post-Industrial)

PostC Postconsumer

Both Both Preconsumer and Postconsumer

Unk Inclusion of recycled content is unknown

None Does not include recycled content

Other

Nano Composed of nanoscale particles or nanotechnology

Declaration Level

Self-declared Manufacturer's self-declaration (First Party)

Independent Lab Manufacturer's self-declaration using results from an independent lab

Second Party Verification by trade association or other interested party

Third Party Verification by independent certifier

Applicable facilities Manufacturing sites to which testing applies

The Health Product Declaration (HPD) Open Standard provides for the disclosure of product contents and potential associated human and environmental health hazards. Hazard associations are based on the HPD Priority Hazard Lists, the GreenScreen List Translator, and when available, full GreenScreen assessments. The HPD Open Standard does not provide an assessment of health impacts throughout the product life cycle. It does not provide an assessment of exposure or risk associated with product handling or use. It also does not address potential health impacts of: (i) substances used or created during the manufacturing process unless they remain in the final product, or (ii) substances created after the product is delivered for end use (e.g., if the product burns, degrades, or otherwise changes chemical composition).

The HPD Open Standard was created and is maintained and evolved by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry. The HPD Collaborative is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.

A disclosure completed in compliance with the HPD Open Standard is referred to as a "Health Product Declaration," or "HPD." The product manufacturer and any applicable independent verifier are solely responsible for the accuracy of statements and claims made in this HPD and for compliance with the HPD Open Standard noted.