

CLASSIFICATION: 09 29 00.00 FINISHES: GYPSUM BOARD

PRODUCT DESCRIPTION: GOLD BOND® BRAND SOUNDBREAK® XP® TYPE X GYPSUM BOARD CONSISTS OF TWO PIECES OF HIGH-DENSITY, MOLD-, MILDEW- AND MOISTURE-RESISTANT GYPSUM BOARD, WITH A SPECIALLY DESIGNED PURPLE® PAPER, LAMINATED TOGETHER WITH A SOUND-DAMPING, VISCOELASTIC POLYMER. THIS ACOUSTICALLY ENHANCED, FIRE-RESISTANT GYPSUM CORE IS ENCASED IN HEAVY PAPER THAT IS 100-PERCENT RECYCLED ON BOTH SIDES AND OFFERS SUPERIOR ABRASION, MOLD, MILDEW AND MOISTURE RESISTANCE. USE IT FOR HIGH-RATED SOUND TRANSMISSION CLASS (STC) RATED WALL AND CEILING ASSEMBLIES, WHERE SOUND TRANSMISSION BETWEEN ROOMS OR DWELLING UNITS IS A CONCERN. FOR SPEED OF INSTALLATION, GRIDMARX® GUIDE MARKS ARE PRINTED ON THE PAPER SURFACE. THIS HPD COVERS 5/8" GOLD BOND® BRAND SOUNDBREAK® XP® TYPE X GYPSUM BOARD.

Section 1: Summary

CONTENT INVENTORY

<p>Threshold per material</p> <ul style="list-style-type: none"> <input type="radio"/> 100 ppm <input checked="" type="radio"/> 1,000 ppm <input type="radio"/> Per GHS SDS <input type="radio"/> Per OSHA MSDS <input type="radio"/> Other 	<p>Residuals and impurities considered in 3 of 3 materials</p> <ul style="list-style-type: none"> <input checked="" type="radio"/> see Section 2: Material Notes <input checked="" type="radio"/> see Section 5: General Notes 	<p>Based on the selected Content Inventory Threshold:</p> <p>Characterized..... <input checked="" type="radio"/> <input type="radio"/></p> <p>Are the Percent Weight and Role provided for all substances? Yes No</p> <p>Screened..... <input checked="" type="radio"/> <input type="radio"/></p> <p>Are all substances screened using Priority Hazard Lists with results disclosed? Yes No</p> <p>Identified..... <input checked="" type="radio"/> <input type="radio"/></p> <p>Are all substances disclosed by Name (Specific or Generic) and Identifier? Yes No</p>
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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.

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

XP® SOUNDBREAK® TYPE X GYPSUM CORE [GYPSUM **LT-UNK** STARCH **LT-UNK** GLASS / MINERAL FIBER **LT-UNK** | CAN SODIUM POLYNAPHTHALENESULFONATE **LT-P1** | PBT] GOLD BOND XP® PAPER FACING [MIXED RECYCLED PAPER **NoGS** STARCH **LT-UNK** 2,5-FURANDIONE, DIHYDRO-, MONO-C15-20-ALKENYL DERIVS. **LT-UNK**] XP® SOUNDBREAK® VISCOELASTIC POLYMER [ACRYLIC ACID, BUTYL ESTER, METHACRYLIC ACID, METHACRYLIC ACID, METHYL ESTER POLYMER **LT-UNK** LIMESTONE; CALCIUM CARBONATE **LT-UNK** ZIRAM **LT-P1** | MAM | EYE | SKI | AQU | END | MUL]

Number of Greenscreen BM-4/BM3 contents..... 0
Contents highest concern GreenScreen Benchmark or List translator Score..... LT-P1
Nanomaterial..... No

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 qualifies for 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

VOC emissions: GREENGUARD Gold Certified
VOC emissions: GREENGUARD Certified

See Section 3 for additional listings.

<input checked="" type="radio"/> Self-Published*	VERIFIER:	SCREENING DATE: May 1, 2017	EXPIRY DATE*: May 1, 2020
<input 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.

XP® SOUNDBREAK® TYPE X GYPSUM CORE

%: 89.5000 - 91.0000

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

%: 97.8000 - 98.0000

GS: LT-UNK

RC: PreC

NANO: NO

ROLE: Core 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].

STARCH

ID: 9005-25-8

%: 1.5000 - 1.6000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Improves Binding and 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. May also include CASRN 65996-63-6 (LT-UNK; No warnings found on HPD Priority lists).

GLASS / MINERAL FIBER

ID: 65997-17-3

%: 0.3000 - 0.4000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Improves Core Strength

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.

SODIUM POLYNAPHTHALENESULFONATE

ID: 9084-06-4

%: 0.0800 - 0.0900 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.

GOLD BOND XP® PAPER FACING

%: 6.9000 - 7.7000

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 supplier SDS and as predicted by process chemistry (Pharos CML).

MIXED RECYCLED PAPER

ID:

%: 98.7000 - 99.3000 GS: NoGS RC: PostC NANO: NO ROLE: Face and Back Paper; Holds Core

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: 100% of our gypsum board face and back paper is produced with post-consumer recycled content. The company's three paper mills produce paper from discarded cardboard and magazines.

STARCH

ID: 9005-25-8

%: 0.3000 - 0.4000 GS: LT-UNK RC: None NANO: NO ROLE: Binder

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.

2,5-FURANDIONE, DIHYDRO-, MONO-C15-20-ALKENYL DERIVS.

ID: 68784-12-3

%: 0.2000 - 0.3000 GS: LT-UNK RC: None NANO: NO ROLE: Sizing Aid

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

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Alkenyl Succinic Anhydride

XP® SOUNDBREAK® VISCOELASTIC POLYMER**%: 2.1000 - 2.8000****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 supplier SDS and as predicted by process chemistry (Pharos CML).

ACRYLIC ACID, BUTYL ESTER, METHACRYLIC ACID, METHACRYLIC ACID, METHYL ESTER POLYMER ID: 25035-69-2

%: 51.7000 - 53.6000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Sound Damping;
Binder**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.

LIMESTONE; CALCIUM CARBONATE

ID: 1317-65-3

%: 2.2000 - 2.3000

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.

ZIRAM

ID: 137-30-4

%: 0.1000 - 0.2000

GS: LT-P1

RC: None

NANO: NO

ROLE: Fungicide

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

MAMMALIAN

EU - R-phrases

R22 - Harmful if Swallowed

MAMMALIAN

EU - R-phrases

R26 - Very Toxic by Inhalation

EYE IRRITATION

EU - R-phrases

R41 - Risk of serious damage to eyes

SKIN SENSITIZE

EU - R-phrases

R43 - May cause sensitization by skin contact

ORGAN TOXICANT

EU - R-phrases

R48: Danger of serious damage to health by prolonged exposure.

ACUTE AQUATIC	EU - R-phrases	R50 - Very Toxic to Aquatic Organisms
ENDOCRINE	EU - Priority Endocrine Disrupters	Category 2 - In vitro evidence of biological activity related to Endocrine Disruption
CHRON AQUATIC	EU - GHS (H-Statements)	H410 - Very toxic to aquatic life with long lasting effects
ACUTE AQUATIC	EU - GHS (H-Statements)	H400 - Very toxic to aquatic life M = 100
EYE IRRITATION	EU - GHS (H-Statements)	H318 - Causes serious eye damage
MAMMALIAN	EU - GHS (H-Statements)	H330 - Fatal if inhaled
ENDOCRINE	ChemSec - SIN List	Endocrine Disruption
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters
SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization
SKIN SENSITIZE	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction

SUBSTANCE NOTES: This substance accounts for approximately 0.004% of the final product; however, we have included this substance in an effort to provide full transparency. We are currently working with our supplier to find a suitable replacement for this fungicide that has fewer hazards.

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.

VOC EMISSIONS

CERTIFYING PARTY: Third Party
 APPLICABLE FACILITIES: All
 CERTIFICATE URL: certificates.ulenvironment.com/default.aspx?id=5929&t=cs
 CERTIFICATION AND COMPLIANCE NOTES: Certification Number: 5929-420.
 Standard: UL 2818 - 2013 Gold Standard for Chemical Emissions for Building Materials, Finishes and Furnishings.

GREENGUARD Gold Certified

ISSUE DATE:	EXPIRY DATE:	CERTIFIER OR LAB:
2008-12-31	2017-12-31	UL Environment

VOC EMISSIONS

CERTIFYING PARTY: Third Party
 APPLICABLE FACILITIES: All
 CERTIFICATE URL: certificates.ulenvironment.com/default.aspx?id=5929&t=gg
 CERTIFICATION AND COMPLIANCE NOTES: Certification Number: 5929-410.
 Standard: UL 2818 - 2013 Standard for Chemical Emissions for Building Materials, Finishes and Furnishings.

GREENGUARD Certified

ISSUE DATE:	EXPIRY DATE:	CERTIFIER OR LAB:
2008-12-31	2017-12-31	UL Environment

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.

**PROFORM® READY MIX
 JOINT COMPOUNDS (VOC
 <2 G/L)**

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

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Finish gypsum board with either paper tape and ready mix joint compound, such as ProForm® Ready Mix Joint Compounds; or fiberglass mesh or paper tape and setting compound.

**PROFORM® SETTING TYPE
JOINT COMPOUNDS**

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

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Finish gypsum board with either paper tape and ready mix joint compound; or fiberglass mesh or paper tape and setting compound, such as ProForm® Setting Type Compounds.

**PROFORM® PAPER
JOINT TAPE**

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

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Finish gypsum board with either paper tape, such as ProForm® Paper Joint Tape, and ready mix joint compound; or fiberglass mesh or paper tape and setting compound.



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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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.