

CLASSIFICATION: 09 29 00.00 FINISHES: GYPSUM BOARD

PRODUCT DESCRIPTION: PRODUCT DESCRIPTION: GOLD BOND® BRAND FIRE-SHIELD® GYPSUM BOARD CONSISTS OF A FIRE-RESISTANT GYPSUM CORE (TYPE X) WITH A HEAVY, NATURAL FINISH AND 100-PERCENT RECYCLED PAPER ON THE FACE AND BACK SIDES. THE FACE PAPER FOLDS AROUND THE LONG EDGES TO REINFORCE AND PROTECT THE CORE, AND THE ENDS ARE CUT SQUARE AND FINISHED SMOOTH. USE IT FOR INTERIOR, FIRE-RATED WALL AND CEILING APPLICATIONS. FOR SPEED OF INSTALLATION, GRIDMARX® GUIDE MARKS ARE PRINTED ON THE PAPER SURFACE. THIS HPD COVERS 5/8" GOLD BOND® BRAND FIRE-SHIELD® GYPSUM BOARD AND 5/8" GOLD BOND® BRAND KAL-KORE FIRE-SHIELD® X PLASTER BASE.

**Section 1: Summary**

**CONTENT INVENTORY**

Threshold per material	Residuals and impurities considered in 2 of 2 materials
<input type="radio"/> 100 ppm	<input checked="" type="radio"/> see Section 2:
<input checked="" type="radio"/> 1,000 ppm	Material Notes
<input type="radio"/> Per GHS SDS	<input checked="" type="radio"/> see Section 5:
<input type="radio"/> Per OSHA MSDS	General Notes
<input type="radio"/> Other	

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 checked="" type="radio"/>	<input 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-P1  
 Nanomaterial..... No

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

**FIRE-SHIELD® TYPE X GYPSUM CORE [ GYPSUM LT-UNK STARCH LT-UNK GLASS / MINERAL FIBER LT-UNK | CAN VERMICULITE NoGS SODIUM POLYNAPHTHALENESULFONATE LT- P1 | PBT ] GOLD BOND PAPER FACING [ MIXED RECYCLED PAPER NoGS 2,5-FURANDIONE, DIHYDRO-, MONO-C15-20-ALKENYL DERIVS. LT-UNK STARCH LT-UNK ]**

**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**

VOC emissions: GREENGUARD Gold Certified  
 VOC emissions: GREENGUARD Certified  
 Multi-attribute: Type III Environmental Product Declaration (EPD)

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](http://www.hpd-collaborative.org) and [www.greenscreenchemicals.org](http://www.greenscreenchemicals.org).

### FIRE-SHIELD® TYPE X GYPSUM CORE

%: 95.2000 - 97.4000

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

%: 98.5000 - 99.0000

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

%: 1.0000 - 1.2000

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

%: 0.2000 - 0.3000

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.

**VERMICULITE**

ID: 1318-00-9

%: 0.2000 - 0.3000      GS: NoGS      RC: None      NANO: NO      ROLE: Improves Fire Resistance

**HAZARDS:**

**AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Supplier confirms no asbestos detected (EPA method EPA/600/R-93/116).

**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.

**GOLD BOND PAPER FACING**

%: 2.6000 - 4.8000

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).

**MIXED RECYCLED PAPER**

ID:

%: 99.2000 - 99.7000      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.

**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:**

None Found

**AGENCY(IES) WITH WARNINGS:**

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Alkenyl Succinic Anhydride.

**STARCH**

ID: 9005-25-8

%: 0.1000 - 0.2000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Binder

**HAZARDS:**

None Found

**AGENCY(IES) WITH WARNINGS:**

No warnings found on HPD Priority lists

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

**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=7196&t=cs](https://certificates.ulenvironment.com/default.aspx?id=7196&t=cs)

CERTIFICATION AND COMPLIANCE NOTES: Certificate Number 7196-420. Product tested in accordance with UL 2821 test method to show compliance to emission limits on UL 2818, Section 7.1 and 7.2. Building products and Interior finishes are determined compliant in accordance with California Department of Public Health (CDPH) Standard Method V1.1-2010 using the applicable exposure scenario(s).

**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=7196&t=gg](https://certificates.ulenvironment.com/default.aspx?id=7196&t=gg)

CERTIFICATION AND COMPLIANCE NOTES: Certificate Number 7196-410. Products tested in accordance with UL 2821 test method to show compliance to emission limits in UL 2818, Section 7.1.

**GREENGUARD Certified**

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

**MULTI-ATTRIBUTE**

CERTIFYING PARTY: Third Party

APPLICABLE FACILITIES: All

CERTIFICATE URL: <https://fpinnovations.ca/ResearchProgram/environment-sustainability/epd-program/Documents/epd-gypsum.pdf>

CERTIFICATION AND COMPLIANCE NOTES: Type III environmental product declaration (EPD) developed according to ISO 14025 and 21930 for average 5/8" type X gypsum boards, also known as drywall, manufactured by the members of the Gypsum Association. Declaration number: FPI/GA/01/2014. Scope: Cradle-to-gate. Declared unit: 1,000 square feet (1 MSF) of 5/8" type X gypsum board at facility gate.

**Type III Environmental Product Declaration (EPD)**

ISSUE DATE:	EXPIRY DATE:	CERTIFIER OR LAB:
2014-05-01	2019-05-01	FPI Innovations

**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® 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.

**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 Joint Compounds.



## 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

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**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

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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.