

# Gold Bond® XP® Fire-Shield® Gypsum Boards by National Gypsum Company

## Health Product Declaration v2.1

created via: HPDC Online Builder

**CLASSIFICATION:** 09 29 00.00 Finishes: Gypsum Board

**PRODUCT DESCRIPTION:** Gold Bond® BRAND XP® Fire-Shield® Type X Gypsum Board consists of a mold-, mildew-, moisture- and fire-resistant gypsum core with a specially designed PURPLE® paper. The PURPLE face paper is heavy, 100-percent recycled and offers superior mold, mildew and moisture resistance. The 100-percent recycled gray back paper is also mold-, mildew- and moisture-resistant. Use it on walls and ceilings where framing members are spaced up to 24 in. For speed of installation, GridMarX® guide marks are printed on the paper surface. This HPD covers 5/8" Gold Bond® BRAND XP® Fire-Shield® Type X Gypsum Boards.

## Section 1: Summary

## Nested Method / Material Threshold

### CONTENT INVENTORY

#### Inventory Reporting Format

Nested Materials Method  
 Basic Method

#### Threshold level

100 ppm  
 1,000 ppm  
 Per GHS SDS  
 Per OSHA MSDS  
 Other

#### Residuals/Impurities

Residuals/Impurities  
Considered in 2 of 2 Materials  
  
Explanation(s) provided  
for Residuals/Impurities?  
 Yes  No

#### Are All Substances Above the Threshold Indicated:

**Characterized**  Yes  No

Percent Weight and Role Provided?

**Screened**  Yes  No

Using Priority Hazard Lists with Results Disclosed?

**Identified**  Yes  No

Name and Identifier Provided?

### 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® FIRE-SHIELD® TYPE X GYPSUM CORE [ GYPSUM LT-UNK STARCH  
LT-UNK SILOXANES AND SILICONES, DI-ME, POLYMERS WITH 3-  
MERCAPTOPROPYL SILSESQUIOXANES LT-UNK GLASS / MINERAL  
FIBER LT-UNK | CAN ] GOLD BOND XP® PAPER FACING [ MIXED  
RECYCLED PAPER NoGS STARCH LT-UNK 2,5-FURANDIONE, DIHYDRO-,  
MONO-C15-20-ALKENYL DERIVS. LT-UNK ]

Number of Greenscreen BM-4/BM3 contents ... 0

Contents highest concern GreenScreen  
Benchmark or List translator Score ... LT-UNK

Nanomaterial ... No

#### INVENTORY AND SCREENING NOTES:

This Health Product Declaration (HPD) was completed in accordance with the HPD Standard version 2.1, 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). Substances not "Identified" are those without a registered identifier.

### VOLATILE ORGANIC COMPOUND (VOC) CONTENT

### CERTIFICATIONS AND COMPLIANCE See Section 3 for additional listings.

VOC emissions: GREENGUARD Gold Certified

VOC emissions: GREENGUARD Certified

Other: ILFI Declare - Red List Free

### CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients, Option 1

#### Third Party Verified?

Yes  
 No

PREPARER: Elixir Environmental

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2018-07-13

PUBLISHED DATE: 2018-07-13

EXPIRY DATE: 2021-07-13



## Section 2: Content in Descending Order of Quantity

This section lists contents in a product based on specific threshold(s) and reports detailed health information including hazards. This HPD uses the inventory method indicated above, which is one of three possible methods:

- Basic Inventory method with Product-level threshold.
- Nested Material Inventory method with Product-level threshold
- Nested Material Inventory method with individual Material-level thresholds

Definitions and requirements for the three inventory methods and requirements for each data field can be found in the HPD Open Standard version 2.1, available on the HPDC website at: [www.hpd-collaborative.org/hpd-2-1-standard](http://www.hpd-collaborative.org/hpd-2-1-standard)

### XP® FIRE-SHIELD® TYPE X GYPSUM CORE

%: 95.0000 - 97.4000

HPD URL:

MATERIAL THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES 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, LT-P1 or NoGS based on batch testing, supplier SDS, and as predicted by process chemistry (Pharos CML).

OTHER MATERIAL NOTES: Percent by weight of Material reported as range to account for formulation variations between manufacturing facilities.

#### 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). Four National Gypsum plants produce gypsum board exclusively with Pre-Consumer (Post-Industrial) byproduct gypsum [Shippingport, PA; Mt. Holly, NC; Westwego, LA; Shoals, IN]. Eleven 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; Waukegan, IL]. Two National Gypsum plants produce gypsum board with a blend of Pre-Consumer (Post-Industrial) byproduct gypsum and natural rock gypsum [Apollo Beach, FL; Baltimore, MD].

#### STARCH

ID: 9005-25-8

%: 0.5000 - 0.6000

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).

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

ID: 108775-26-4

%: 0.2000 - 0.3000

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.**

## 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 - GHS (H-Statements)

H351 - Suspected of causing cancer

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

## GOLD BOND XP® PAPER FACING

**%: 2.6000 - 5.0000**

HPD URL:

MATERIAL THRESHOLD: **1000 ppm**

RESIDUALS AND IMPURITIES CONSIDERED: **Yes**

RESIDUALS AND IMPURITIES 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, LT-P1 or NoGS based on supplier SDS and as predicted by process chemistry (Pharos CML).

OTHER MATERIAL NOTES: Percent by weight of Material reported as range to account for formulation variations between manufacturing facilities.

## MIXED RECYCLED PAPER

ID: **Not registered**

**%: 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. This substance does not currently have an assigned CAS number, and thus is not considered to be "Identified" on this HPD.

## 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**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Alkenyl Succinic Anhydride



## 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

### GREENGUARD Gold Certified

CERTIFYING PARTY: Third Party	ISSUE DATE: 2017-03-03	EXPIRY DATE: 2018-12-28	CERTIFIER OR LAB: UL Environment
APPLICABLE FACILITIES: Apollo Beach, FL, USA; Baltimore, MD, USA; Burlington, NJ, USA; Fort Dodge, IA, USA; Long Beach, CA, USA; Medicine Lodge, KS, USA; Mt. Holly, NC, USA; National City, MI, USA; Phoenix, AZ, USA; Portsmouth, NH, USA; Richmond, CA, USA; Rotan, TX, USA; Savannah, GA, USA; Shippingport, PA, USA; Shoals, IN, USA; Waukegan, IL, USA; Westwego, LA, USA			
CERTIFICATE URL: <a href="http://certificates.ulenvironment.com/default.aspx?id=86378&amp;t=cs">http://certificates.ulenvironment.com/default.aspx?id=86378&amp;t=cs</a>			

CERTIFICATION AND COMPLIANCE NOTES: Certificate Number 86378-420. UL 2818 - 2013 Gold Standard for Chemical Emissions for Building Materials, Finishes and Furnishings. Product tested in accordance with UL 2821 test method to show compliance to emission limits on UL 2818. Section 7.1 and 7.2.

### VOC EMISSIONS

### GREENGUARD Certified

CERTIFYING PARTY: Third Party	ISSUE DATE: 2008-12-31	EXPIRY DATE: 2018-12-28	CERTIFIER OR LAB: UL Environment
APPLICABLE FACILITIES: Apollo Beach, FL, USA; Baltimore, MD, USA; Burlington, NJ, USA; Fort Dodge, IA, USA; Long Beach, CA, USA; Medicine Lodge, KS, USA; Mt. Holly, NC, USA; National City, MI, USA; Phoenix, AZ, USA; Portsmouth, NH, USA; Richmond, CA, USA; Rotan, TX, USA; Savannah, GA, USA; Shippingport, PA, USA; Shoals, IN, USA; Waukegan, IL, USA; Westwego, LA, USA			
CERTIFICATE URL: <a href="http://certificates.ulenvironment.com/default.aspx?id=86378&amp;t=gg">http://certificates.ulenvironment.com/default.aspx?id=86378&amp;t=gg</a>			

CERTIFICATION AND COMPLIANCE NOTES: Certificate Number: 86378-410. UL 2818 - 2013 Standard for Chemical Emissions for Building Materials, Finishes and Furnishings. Products tested in accordance with UL 2821 test method to show compliance to emission limits in UL 2818, Section 7.1.

### OTHER

### ILFI Declare - Red List Free

CERTIFYING PARTY: Self-declared	ISSUE DATE: 2018-04-01	EXPIRY DATE: 2019-04-01	CERTIFIER OR LAB: International Living Future Institute
APPLICABLE FACILITIES: Apollo Beach, FL, USA; Baltimore, MD, USA; Burlington, NJ, USA; Fort Dodge, IA, USA; Long Beach, CA, USA; Medicine Lodge, KS, USA; Mt. Holly, NC, USA; National City, MI, USA; Phoenix, AZ, USA; Portsmouth, NH, USA; Richmond, CA, USA; Rotan, TX, USA; Savannah, GA, USA; Shippingport, PA, USA; Shoals, IN, USA;			

CERTIFICATION AND COMPLIANCE NOTES: Declare ID: NGC-0001; NGC-0002; NGC-0003; NGC-0004; NGC-0005; NGC-0006; NGC-0007; NGC-0008; NGC-0009; NGC-0010; NGC-0011; NGC-0012; NGC-0013; NGC-0014; NGC-0015; NGC-0016; NGC-0017. Life Expectancy: 60+ Years. End of Life: Recyclable. LBC Declaration Status: Red List Free. CDPH Standard Method v1.1 Compliant: Yes. LEEDv4 Building Product Disclosure and Optimization-Material Ingredients, Option 1 Compliant: Yes

## 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>

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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>

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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>

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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.

# Section 6: References

## MANUFACTURER INFORMATION

MANUFACTURER: **National Gypsum Company**  
ADDRESS: **2001 Rexford Road**  
**Charlotte NC 28211, USA**  
WEBSITE: [www.NationalGypsum.com](http://www.NationalGypsum.com)

CONTACT NAME: **Amy Hockett**  
TITLE: **National Marketing Manager - Construction**  
**Design Services & Sustainability**  
PHONE: **704-365-7931**  
EMAIL: [AmyH@NationalGypsum.com](mailto:AmyH@NationalGypsum.com)

## 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  
CAN Cancer  
DEV Developmental toxicity  
END Endocrine activity  
EYE Eye irritation/corrosivity  
GEN Gene mutation

GLO Global warming  
MAM Mammalian/systemic/organ toxicity  
MUL Multiple hazards  
NEU Neurotoxicity  
OZO Ozone depletion  
PBT Persistent Bioaccumulative Toxic

PHY Physical Hazard (reactive)  
REP Reproductive toxicity  
RES Respiratory sensitization  
SKI Skin sensitization/irritation/corrosivity  
LAN Land Toxicity  
NF Not found on Priority Hazard Lists

### GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)  
BM-3 Benchmark 3 (use but still opportunity for improvement)  
BM-2 Benchmark 2 (use but search for safer substitutes)  
BM-1 Benchmark 1 (avoid - chemical of high concern)  
BM-U Benchmark Unspecified (insufficient data to benchmark)

LT-P1 List Translator Possible Benchmark 1  
LT-1 List Translator Likely Benchmark 1  
LT-UNK List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)  
NoGS 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 Terms

#### Inventory Methods:

**Nested Method / Material Threshold** Substances listed within each material per threshold indicated per material  
**Nested Method / Product Threshold** Substances listed within each material per threshold indicated per product  
**Basic Method / Product Threshold** Substances listed individually per threshold indicated per product

**Nano** Composed of nano scale particles or nanotechnology  
**Third Party Verified** Verification by independent certifier approved by HPDC  
**Preparer** Third party preparer, if not self-prepared by manufacturer  
**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 v2.1 is not:*

- a method for the assessment of exposure or risk associated with product handling or use,
- a method for assessing potential health impacts of: (i) substances used or created during the manufacturing process or (ii) substances created after the product is delivered for end use.

*Information about life cycle, exposure and/or risk assessments performed on the product may be reported by the manufacturer in appropriate Notes sections, and/or, where applicable, in the Certifications section.*

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

*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 standard noted.*