

HPD UNIQUE IDENTIFIER: 31117

CLASSIFICATION: 09 29 00 Gypsum Board

PRODUCT DESCRIPTION: Gold Bond® XP® Fire-Shield C™ Gypsum Boards consist 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" and 1/2" Gold Bond® XP® Fire-Shield C™ Gypsum Boards. National Gypsum Company is the exclusive service provider for products manufactured by Gold Bond Building Products, LLC; PermaBASE Building Products, LLC; and ProForm Finishing Products, LLC.

Section 1: Summary

Nested Method / Product Threshold

CONTENT INVENTORY

| | | | |
|--|--|---|---|
| <p>Inventory Reporting Format</p> <p><input checked="" type="radio"/> Nested Materials Method</p> <p><input type="radio"/> Basic Method</p> <p>Threshold Disclosed Per</p> <p><input type="radio"/> Material</p> <p><input checked="" type="radio"/> Product</p> | <p>Threshold Level</p> <p><input type="radio"/> 100 ppm</p> <p><input checked="" type="radio"/> 1,000 ppm</p> <p><input type="radio"/> Per GHS SDS</p> <p><input type="radio"/> Other</p> | <p>Residuals/Impurities Evaluation</p> <p>Completed in 2 of 2 Materials</p> <p>Explanation(s) provided for Residuals/Impurities?</p> <p><input checked="" type="radio"/> Yes <input type="radio"/> No</p> | <p><i>For all contents above the threshold, the manufacturer has:</i></p> <p>Characterized <input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p><i>Provided weight and role.</i></p> <p>Screened <input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p><i>Provided screening results using HPDC-approved methods.</i></p> <p>Identified <input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p><i>Provided name and CAS RN or other identifier.</i></p> |
|--|--|---|---|

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.

NESTED MATERIAL | MATERIAL OR SUBSTANCE | RESIDUAL OR IMPURITY

GREENSCREEN SCORE | HAZARD TYPE

XP GYPSUM CORE [GYPSUM BM-3dg VERMICULITE NoGS GLASS / MINERAL FIBER LT-UNK STARCH LT-UNK SILOXANES AND SILICONES, DI-ME, POLYMERS WITH 3-MERCAPTOPROPYL SILSESQUIOXANES LT-UNK POTASSIUM SULFATE LT-UNK POLIGNATE SODIUM LT-UNK PARAFFIN LT-UNK DEXTROSE BM-3 SODIUM POLYNAPHTHALENESULFONATE LT-P1 | PBT] XP PAPER FACING [RECYCLED PAPER]

Number of Greenscreen BM-4/BM3 contents ... 2

Contents highest-concern GreenScreen score(s) (BM-1, LT-1, LT-P1) ... LT-P1

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

Special Conditions applied: [BiologicalMaterial]

This Health Product Declaration (HPD) was completed in accordance with the HPD Standard version 2.3, 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.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE See Section 3 for additional listings.

VOC emissions: UL/GreenGuard Gold Certified

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Option 1.

Pre-checked for LEED v4.1 Option 1.

| | | |
|--|---|--|
| <p>Third Party Verified?</p> <p><input type="radio"/> Yes</p> <p><input checked="" type="radio"/> No</p> | <p>PREPARER: Elixir Environmental</p> <p>VERIFIER:</p> <p>VERIFICATION #:</p> | <p>SCREENING DATE: 2023-01-24</p> <p>PUBLISHED DATE: 2023-01-24</p> <p>EXPIRY DATE: 2026-01-24</p> |
|--|---|--|

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 2.3, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-3-standard

XP GYPSUM CORE

#: 94.0000 - 96.0000

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes MATERIAL TYPE: Geologically Derived Material

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 information provided in supplier disclosures and as predicted by process chemistry (Pharos CML).

OTHER MATERIAL NOTES: Percent by weight of material and substances reported as ranges to account for possible formulation variations between manufacturing facilities.

GYPSUM

ID: 13397-24-5

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2023-01-24 10:55:34

#: 89.8000 - 96.4000 GreenScreen: BM-3dg RC: PreC NANO: No SUBSTANCE ROLE: Structure component

| HAZARD TYPE | LIST NAME AND SOURCE | WARNINGS |
|-------------|----------------------|--|
| None found | | No warnings found on HPD Priority Hazard Lists |

| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | NOTIFICATION |
|---------------------|----------------------|--|
| None found | | No listings found on Additional Hazard Lists |

SUBSTANCE NOTES: GreenScreen Benchmark® assessment score of BM-3dg was provided by the HPD Builder Tool. The use of pre-consumer recycled content gypsum, or FGD gypsum, in this product varies by manufacturing location. Please contact manufacturer if more information is required.

VERMICULITE

ID: 1318-00-9

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2023-01-24 10:55:35

#: 3.6000 - 6.2000 GreenScreen: NoGS RC: None NANO: No SUBSTANCE ROLE: Flame retardant

| HAZARD TYPE | LIST NAME AND SOURCE | WARNINGS |
|-------------|----------------------|--|
| None found | | No warnings found on HPD Priority Hazard Lists |

| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | NOTIFICATION |
|---------------------|----------------------|--|
| None found | | No listings found on Additional Hazard Lists |

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

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2023-01-24 10:55:35**%: **0.1000 - 1.0000** GreenScreen: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Structure component**

HAZARD TYPE LIST NAME AND SOURCE WARNINGS

None found No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS LIST NAME AND SOURCE NOTIFICATION

EXEMPT European Union / European Commission (EU EC) EU - REACH Exemptions
Exempted from REACH Annex V listing due to intrinsic safety

SUBSTANCE NOTES:

STARCH

ID: 65996-63-6

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2023-01-24 10:55:36**%: **0.1000 - 1.0000** GreenScreen: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Binder**

HAZARD TYPE LIST NAME AND SOURCE WARNINGS

None found No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS LIST NAME AND SOURCE NOTIFICATION

None found No listings found on Additional Hazard Lists

SUBSTANCE NOTES:

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

ID: 108775-26-4

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2023-01-24 10:55:36**%: **0.0000 - 0.5000** GreenScreen: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Water resistance**

HAZARD TYPE LIST NAME AND SOURCE WARNINGS

None found No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS LIST NAME AND SOURCE NOTIFICATION

None found No listings found on Additional Hazard Lists

SUBSTANCE NOTES: Substance not used at every facility. Please contact manufacturer if more information is required.

POTASSIUM SULFATE

ID: 7778-80-5

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2023-01-24 10:55:35**%: **0.0000 - 0.5000** GreenScreen: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Water resistance**

| HAZARD TYPE | LIST NAME AND SOURCE | WARNINGS |
|---|----------------------|--|
| None found | | No warnings found on HPD Priority Hazard Lists |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | NOTIFICATION |
| None found | | No listings found on Additional Hazard Lists |
| SUBSTANCE NOTES: Substance not used at every facility. Please contact manufacturer if more information is required. | | |

POLIGNATE SODIUM

ID: 8061-51-6

| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | HAZARD SCREENING DATE: 2023-01-24 10:55:35 | | |
|---|----------------------------|---|-----------------|---|
| %: 0.0000 - 0.5000 | GreenScreen: LT-UNK | RC: None | NANO: No | SUBSTANCE ROLE: Water resistance |
| HAZARD TYPE | LIST NAME AND SOURCE | WARNINGS | | |
| None found | | No warnings found on HPD Priority Hazard Lists | | |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | NOTIFICATION | | |
| None found | | No listings found on Additional Hazard Lists | | |
| SUBSTANCE NOTES: Substance not used at every facility. Please contact manufacturer if more information is required. | | | | |

PARAFFIN

ID: 8002-74-2

| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | HAZARD SCREENING DATE: 2023-01-24 10:55:36 | | |
|---|----------------------------|---|-----------------|---|
| %: 0.0000 - 0.5000 | GreenScreen: LT-UNK | RC: None | NANO: No | SUBSTANCE ROLE: Water resistance |
| HAZARD TYPE | LIST NAME AND SOURCE | WARNINGS | | |
| None found | | No warnings found on HPD Priority Hazard Lists | | |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | NOTIFICATION | | |
| None found | | No listings found on Additional Hazard Lists | | |
| SUBSTANCE NOTES: Substance not used at every facility. Please contact manufacturer if more information is required. | | | | |

DEXTROSE

ID: 50-99-7

| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | HAZARD SCREENING DATE: 2023-01-24 10:55:37 | | |
|--|--------------------------|---|-----------------|---|
| %: 0.0000 - 0.5000 | GreenScreen: BM-3 | RC: None | NANO: No | SUBSTANCE ROLE: Processing regulator |
| HAZARD TYPE | LIST NAME AND SOURCE | WARNINGS | | |
| None found | | No warnings found on HPD Priority Hazard Lists | | |

| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | NOTIFICATION |
|---------------------|--|---|
| EXEMPT | European Union / European Commission (EU EC) | EU - REACH Exemptions Exempted from REACH Annex IV listing due to intrinsic safety |

SUBSTANCE NOTES: GreenScreen Benchmark® assessment score of BM-3 was provided by the HPD Builder Tool. Substance not used at every facility. Please contact manufacturer if more information is required.

SODIUM POLYNAPHTHALENESULFONATE

ID: 9084-06-4

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2023-01-24 10:55:37**

%: **0.0000 - 0.3000** GreenScreen: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Dispersant**

| HAZARD TYPE | LIST NAME AND SOURCE | WARNINGS |
|-------------|----------------------|----------|
|-------------|----------------------|----------|

| | | |
|-----|---------------|--|
| PBT | EC - CEPA DSL | Persistent, Bioaccumulative and inherently Toxic (PBiTH) to humans |
|-----|---------------|--|

| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | NOTIFICATION |
|---------------------|----------------------|--------------|
|---------------------|----------------------|--------------|

| | | |
|-----------------|--|--|
| RESTRICTED LIST | International Living Future Institute (ILFI) | Living Building Challenge 4.0 - Red List of Materials & Chemicals - Effective April 1, 2022 Red List substances to avoid in Living Building Challenge V4.0 projects |
|-----------------|--|--|

SUBSTANCE NOTES: Substance not used at every facility. Please contact manufacturer if more information is required.

XP PAPER FACING

%: **4.0000 - 6.0000**

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES EVALUATION COMPLETED: **Yes** MATERIAL TYPE: Paper or Cardboard

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 information provided in supplier disclosures and as predicted by process chemistry (Pharos CML).

OTHER MATERIAL NOTES: Percent by weight of material and substances reported as ranges to account for possible formulation variations between manufacturing facilities.

HAZARD DATA SOURCE: [HPDC Special Conditions Policy](#)

%: **98.7000 - 99.3000** GreenScreen: **Not Required** RC: **PostC** NANO: **No** MATERIAL ROLE: **Structure component**

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|--|------------------------|----------|
| Hazard Screening is not applicable to this Special Condition | | |

BIOLOGICAL MATERIALS CATEGORY: Tree-based materials

INGREDIENT DESCRIPTION: 65996-61-4

MATERIAL CONTENT 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 disclosure does not provide information on allergens, hyper-accumulation of metals, production of any toxic substances during normal metabolic activities, pesticides, and other potential hazards or sources of hazards which may be found in certain biological materials.

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 | UL/GreenGuard Gold Certified | |
|---|------------------------------|----------------------|
| CERTIFYING PARTY: Third Party | ISSUE DATE: 2016-11-18 | CERTIFIER OR LAB: UL |
| APPLICABLE FACILITIES: Baltimore, MD; Gibsonton, FL; Long Beach, CA; Medicine Lodge, KS (1/2" only); Phoenix, AZ; Portsmouth, NH; Rotan, TX (5/8" only); Savannah, GA; Shippingport, PA; Shoals, IN; Waukegan, IL; Westwego, LA | EXPIRY DATE: 2023-12-28 | Environment |
| CERTIFICATE URL: https://tinyurl.com/5t4jarkk | | |
| CERTIFICATION AND COMPLIANCE NOTES: Certificate Numbers: 84215-420 (5/8"); 234774-420 (1/2"). UL 2818 - 2013 Gold Standard for Chemical Emissions for Building Materials, Finishes and Furnishings. Wall finishes are determined compliant in accordance with California Department of Public Health (CDPH) Standard Method V1.2-2017 using a Classroom Environment with an air change of 0.82 hr ⁻¹ and a loading of 94.60 m2; and Wall finishes are determined compliant in accordance with California Department of Public Health (CDPH) Standard Method V1.2-2017 using an Office Environment with an air change of 0.68 hr ⁻¹ and a loading of 33.40 m2. | | |

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.

PAPER JOINT TAPE PER ASTM C475

MANUFACTURER (OR GENERIC): **Generic**

HPD URL: No HPD Available

ACCESSORY TYPE: Installation Accessory

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. Refer to paper joint tape manufacturer for HPD information.

READY MIX JOINT COMPOUNDS PER ASTM C475

MANUFACTURER (OR GENERIC): **Generic**

HPD URL: No HPD Available

ACCESSORY TYPE: Installation Accessory

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Finish gypsum board with either paper tape and ready mix joint compound, fiberglass mesh, or paper tape and setting compound. Refer to ready mix joint compound manufacturer for HPD information.

SETTING TYPE JOINT COMPOUNDS PER ASTM C475

MANUFACTURER (OR GENERIC): **Generic**

HPD URL: No HPD Available

ACCESSORY TYPE: Installation Accessory

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Finish gypsum board with either paper tape and ready mix joint compound, fiberglass mesh, or paper tape and setting compound. Refer to setting type compound manufacturer for HPD information.

Section 5: General Notes

MANUFACTURER INFORMATION

MANUFACTURER: Gold Bond Building Products, LLC provided by
National Gypsum Company
ADDRESS: 2001 Rexford Road
Charlotte NC 28211, USA
WEBSITE: <https://www.goldbondbuilding.com>

CONTACT NAME: Amy Hockett
TITLE: Manager - Architectural Services & Sustainability
PHONE: 704-365-7931
EMAIL: AmyH@NationalGypsum.com

The listed contact is responsible for the validity of this HPD and attests that it is accurate and complete to the best of his or her knowledge.

KEY

Hazard Types

| | | |
|---------------------------------------|---|--|
| AQU Aquatic toxicity | LAN Land toxicity | PHY Physical hazard (flammable or reactive) |
| CAN Cancer | MAM Mammalian/systemic/organ toxicity | REP Reproductive |
| DEV Developmental toxicity | MUL Multiple | RES Respiratory sensitization |
| END Endocrine activity | NEU Neurotoxicity | SKI Skin sensitization/irritation/corrosivity |
| EYE Eye irritation/corrosivity | NF Not found on Priority Hazard Lists | UNK Unknown |
| GEN Gene mutation | OZO Ozone depletion | |
| GLO Global warming | PBT Persistent, bioaccumulative, and toxic | |

GreenScreen (GS)

| | |
|---|--|
| BM-4 Benchmark 4 (prefer-safer chemical) | LT-P1 List Translator Possible 1 (Possible Benchmark-1) |
| BM-3 Benchmark 3 (use but still opportunity for improvement) | LT-1 List Translator 1 (Likely Benchmark-1) |
| BM-2 Benchmark 2 (use but search for safer substitutes) | LT-UNK List Translator Benchmark Unknown |
| BM-1 Benchmark 1 (avoid - chemical of high concern) | NoGS No GreenScreen. |
| BM-U Benchmark Unspecified (due to insufficient data) | |

GreenScreen Benchmark scores sometimes also carry subscripts, which provide more context for how the score was determined. These are DG (data gap), TP (transformation product), and CoHC (chemical of high concern). For more information, see 2.2.2.4 GreenScreen® for Safer Chemicals, www.greenscreenchemicals.org, and Best Practices for Hazard Screening on the HPDC website (hpd-collaborative.org).

Recycled Types

- PreC** Pre-consumer recycled content
- PostC** Post-consumer recycled content
- UNK** Inclusion of recycled content is unknown
- None** Does not include recycled content

Other Terms:

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

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

