

CLASSIFICATION: 09 29 00.00 FINISHES: GYPSUM BOARD

PRODUCT DESCRIPTION: GOLD BOND® BRAND HIGH STRENGTH FIRE-SHIELD® LITE® 30 GYPSUM BOARD CONSISTS OF A FIRE-RESISTANT NON-TYPE X GYPSUM CORE SPECIALLY FORMULATED TO BE 30% LIGHTER THAN STANDARD TYPE X GYPSUM BOARD. HIGH STRENGTH FIRE-SHIELD LITE 30 IS APPROVED FOR SINGLE- OR MULTI-LAYER DRYWALL CONSTRUCTION FOR 30 MINUTE FIRE-RATED OR NON-RATED ASSEMBLIES AND IS ENCASED IN HEAVY NATURAL-FINISH, 100% RECYCLED PAPER ON THE FACE AND BACK SIDES. THE FACE PAPER IS FOLDED AROUND THE LONG EDGES TO REINFORCE AND PROTECT THE CORE, AND THE ENDS ARE SQUARE-CUT AND FINISHED SMOOTH. FOR SPEED OF INSTALLATION, GRIDMARX® GUIDE MARKS ARE PRINTED ON THE PAPER SURFACE. THIS HPD COVERS 5/8" GOLD BOND® BRAND HIGH STRENGTH FIRE-SHIELD® LITE® 30 GYPSUM BOARD PRODUCTS.

**Section 1: Summary**

**CONTENT INVENTORY**

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

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

HIGH STRENGTH FIRE-SHIELD® LITE® 30 GYPSUM CORE [ GYPSUM LT-UNK ACID MODIFIED, CORN STARCH NoGS SOLID GLASS AND GLASS / MINERAL FIBER (SEE VARIANTS) LT-UNK | CAN SODIUM POLYNAPHTHALENESULFONATE LT-P1 | PBT ] HIGH STRENGTH FIRE-SHIELD® LITE® 30 PAPER FACING [ MIXED RECYCLED PAPER NoGS 2,5-FURANDIONE, DIHYDRO-, MONO-C15-20-ALKENYL DERIVS. LT-UNK STARCH LT-UNK ]

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 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 Certified  
 VOC emissions: GREENGUARD Gold 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](http://www.hpd-collaborative.org) and [www.greenscreenchemicals.org](http://www.greenscreenchemicals.org).

### HIGH STRENGTH FIRE-SHIELD® LITE® 30 GYPSUM CORE

#: 95.1000 - 96.0000

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

#: 98.9000 - 99.2000

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].

#### ACID MODIFIED, CORN STARCH

ID: 65996-63-6

#: 0.6000 - 0.7000

GS: NoGS

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:

#### SOLID GLASS AND GLASS / MINERAL FIBER (SEE VARIANTS)

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.

**SODIUM POLYNAPHTHALENESULFONATE**

ID: 9084-06-4

#: 0.0200 - 0.0300      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.

**HIGH STRENGTH FIRE-SHIELD® LITE® 30 PAPER FACING**

#: 4.0000 - 4.9000

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:

#: 99.0000 - 99.5000      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 recyclable 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

#: 0.3000 - 0.4000      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

**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.

**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=22970&amp;t=gg

CERTIFICATION AND COMPLIANCE NOTES: Certificate Number: 22970-410

**GREENGUARD Certified**

ISSUE

EXPIRY

CERTIFIER OR LAB:

DATE: 2008-

DATE: 2017-

UL Environment

12-31

12-31

**VOC EMISSIONS**

CERTIFYING PARTY: Third Party

APPLICABLE FACILITIES: All

CERTIFICATE URL:

certificates.ulenvironment.com/default.aspx?id=22970&amp;t=cs

CERTIFICATION AND COMPLIANCE NOTES: Certificate Number: 22970-420

**GREENGUARD Gold Certified**

ISSUE

EXPIRY

CERTIFIER OR LAB:

DATE: 2008-

DATE: 2017-

UL Environment

12-31

12-31

**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**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 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

CONTACT NAME: Warren Barber

ADDRESS: 2001 Rexford Road  
Charlotte, NC 28211  
USA

TITLE: Manager - Technical Marketing

PHONE: 704-365-7494

WEBSITE: www.nationalgypsum.com

EMAIL: WarrenB@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

**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.