

CLASSIFICATION: 09 29 00

created via: HPDC Online Builder

**PRODUCT DESCRIPTION:** USG Sheetrock® Brand EcoSmart Panels Firecode 30® features an innovative, engineered gypsum core and proprietary face and back papers that form a high strength-to-weight ratio composite design. The noncombustible core is encased in stronger, 100% recycled face and back papers. The natural finish face paper is folded around the long edges to reinforce and protect the core, and the ends are cut square and even. The long edges of panels are tapered, allowing joints to be reinforced and concealed with USG Sheetrock® Brand joint treatment systems. The panels are UL Classified for fire resistance and can be used in any UL Design where Type FC30 panels are listed. On the face along the long edge of each panel, the UL Type Designation is printed for easy identification after installation.

**Section 1: Summary** **Basic Method / Product Threshold**

**CONTENT INVENTORY**

<p><b>Inventory Reporting Format</b></p> <p><input type="radio"/> Nested Materials Method</p> <p><input checked="" type="radio"/> Basic Method</p> <p><b>Threshold Disclosed Per</b></p> <p><input type="radio"/> Material</p> <p><input checked="" type="radio"/> Product</p>	<p><b>Threshold level</b></p> <p><input checked="" type="radio"/> 100 ppm</p> <p><input type="radio"/> 1,000 ppm</p> <p><input type="radio"/> Per GHS SDS</p> <p><input type="radio"/> Per OSHA MSDS</p> <p><input type="radio"/> Other</p>	<p><b>Residuals/Impurities</b></p> <p><input checked="" type="radio"/> Considered</p> <p><input type="radio"/> Partially Considered</p> <p><input type="radio"/> Not Considered</p> <p>Explanation(s) provided for Residuals/Impurities?</p> <p><input checked="" type="radio"/> Yes <input type="radio"/> No</p>	<p><i>Are All Substances Above the Threshold Indicated:</i></p> <p><b>Characterized</b> <i>Percent Weight and Role Provided?</i></p> <p><input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p><b>Screened</b> <i>Using Priority Hazard Lists with Results Disclosed?</i></p> <p><input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p><b>Identified</b> <i>Name and Identifier Provided?</i></p> <p><input type="radio"/> Yes <input checked="" type="radio"/> No</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**

USG SHEETROCK® BRAND ECOSMART PANELS FIRECODE 30® [ GYPSUM **LT-UNK** CELLULOSE, MICROCRYSTALLINE **NoGS** STARCH **LT-UNK** SOLID / PLATE GLASS **LT-UNK** GLUCOSE **BM-3** UNDISCLOSED **LT-UNK** NAPHTHALENESULFONIC ACID, FORMALDEHYDE POLYMER, CALCIUM SALT **LT-P1** POLY(VINYL ALCOHOL) **LT-UNK** ALUMINUM SULFATE **LT-P1** | RES POLYCARBOXYLATE POLYMER (POLYCARBOXYLATE POLYMER) **NoGS** ]

Number of Greenscreen BM-4/BM3 contents..... 1  
Contents highest concern GreenScreen  
Benchmark or List translator Score..... LT-P1  
Nanomaterial..... No

**INVENTORY AND SCREENING NOTES:**

Residuals/Impurities in raw materials that return a GreenScreen® score of BM-1, LT-1, LT-P1 or NoGS are displayed in the HPD when greater than or equal to 100 ppm. USG uses an outside lab to quantify potential impurities of raw materials. Analytical methods may include but are not limited to; x-ray diffraction, x-ray fluorescence, atomic absorption, ion chromatography, liquid chromatography, and crystalline silica analysis.

**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: GREENGUARD Gold Certification - Sheetrock® Brand EcoSmart Panels Firecode 30®  
Other: Environmental Product Declaration - USG Sheetrock® Brand EcoSmart Panels Firecode 30®

**CONSISTENCY WITH OTHER PROGRAMS**

Pre-checked for LEED v4 Material Ingredients, Option 1

Third Party Verified?

Yes

No

PREPARER: Self-Prepared  
VERIFIER:  
VERIFICATION #:

SCREENING DATE: 2017-10-23  
PUBLISHED DATE: 2017-11-02  
EXPIRY DATE: 2020-10-23

## 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)

### USG SHEETROCK® BRAND ECOSMART PANELS FIRECODE 30®

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Raw materials in this product may contain trace amounts of respirable crystalline silica. Testing has shown exposures to respirable crystalline silica are not expected to exceed the OSHA Permissible Exposure Level (PEL) during the normal use of this product. See the SDS on usg.com for occupational exposure information. No Residuals or Impurities are expected to be present at or above the 100 ppm threshold that return a GreenScreen® score of BM-1, LT-1, LT-P1 or NoGS.

OTHER PRODUCT NOTES: This product is made at Aliquippa, PA, Bridgeport, AL, East Chicago, IN, Galena Park, TX, Jacksonville, FL, Norfolk, VA, Plaster City, CA, Rainier, OR, Sigurd, UT, Shoals, IN, Sperry, IA, Sweetwater, TX, and Washingtonville, PA. Percent ranges displayed for this HPD are for all manufacturing plants that make this product and may vary.

#### GYPSUM

ID: 13397-24-5

#: **82.0000 - 95.0000** GS: **LT-UNK** RC: **PreC** NANO: **No** ROLE: **Core**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: No Residuals or Impurities are expected to be present at or above the 100 ppm threshold that return a GreenScreen® score of BM-1, LT-1, LT-P1 or NoGS. The use of FGD gypsum and the pre-consumer recycled content of Sheetrock® Brand EcoSmart Panels Firecode 30® will vary by the manufacturing plant.

#### CELLULOSE, MICROCRYSTALLINE

ID: 9004-34-6

#: **5.5000 - 7.0000** GS: **NoGS** RC: **PostC** NANO: **No** ROLE: **Paper face**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: No Residuals or Impurities are expected to be present at or above the 100 ppm threshold that return a GreenScreen® score of BM-1, LT-1, LT-P1 or NoGS.

#### STARCH

ID: 9005-25-8

#: **1.0000 - 2.5000** 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: No Residuals or Impurities are expected to be present at or above the 100 ppm threshold that return a GreenScreen® score of BM-1, LT-1, LT-P1 or NoGS.

### SOLID / PLATE GLASS

ID: 65997-17-3

#: **0.1000 - 0.4000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Reinforcing**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: As manufactured, continuous filament glass fibers in this product are not respirable. No Residuals or Impurities are expected to be present at or above the 100 ppm threshold that return a GreenScreen® score of BM-1, LT-1, LT-P1 or NoGS.

### GLUCOSE

ID: 50-99-7

#: **0.0500 - 0.2000** GS: **BM-3** RC: **None** NANO: **No** ROLE: **Drying additive**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: No Residuals or Impurities are expected to be present at or above the 100 ppm threshold that return a GreenScreen® score of BM-1, LT-1, LT-P1 or NoGS.

### UNDISCLOSED

#: **0.0500 - 0.2000** 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: Proprietary ingredient. No Residuals or Impurities are expected to be present at or above the 100 ppm threshold that return a GreenScreen® score of BM-1, LT-1, LT-P1 or NoGS. Not on the Living Building Challenge™ (LBC) Red List Chemical Guide (Version 3.1)

### NAPHTHALENESULFONIC ACID, FORMALDEHYDE POLYMER, CALCIUM SALT

ID: 37293-74-6

#: **0.0100 - 0.0400** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Dispersant**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: USG has made an effort to decrease and will ultimately replace this dispersant. No Residuals or Impurities are expected to be present at or above the 100 ppm threshold that return a GreenScreen® score of BM-1, LT-1, LT-P1 or NoGS.

### POLY(VINYL ALCOHOL)

ID: 9002-89-5

#: **0.0100 - 0.0200** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Adhesive**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: No Residuals or Impurities are expected to be present at or above the 100 ppm threshold that return a GreenScreen® score of BM-1, LT-1, LT-P1 or NoGS.

### ALUMINUM SULFATE

ID: 10043-01-3

#: 0.0100 - 0.0600	GS: LT-P1	RC: None	NANO: No	ROLE: Accelerator
--------------------	-----------	----------	----------	-------------------

HAZARDS:	AGENCY(IES) WITH WARNINGS:
RESPIRATORY	AOEC - Asthmagens Asthmagen (ARs) - sensitizer-induced - inhalable forms only

SUBSTANCE NOTES: Not in an inhalable form. No Residuals or Impurities are expected to be present at or above the 100 ppm threshold that return a GreenScreen® score of BM-1, LT-1, LT-P1 or NoGS.

### POLYCARBOXYLATE POLYMER (POLYCARBOXYLATE POLYMER)

ID: 676596-80-8

#: 0.0100 - 0.0400	GS: NoGS	RC: None	NANO: No	ROLE: Dispersant
--------------------	----------	----------	----------	------------------

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: No Residuals or Impurities are expected to be present at or above the 100 ppm threshold that return a GreenScreen® score of BM-1, LT-1, LT-P1 or NoGS.

## 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 Certification - Sheetrock® Brand EcoSmart Panels Firecode 30®

CERTIFYING PARTY: Third Party	ISSUE DATE: 2016-06-01	EXPIRY DATE:	CERTIFIER OR LAB: UL Environment
APPLICABLE FACILITIES: All			
CERTIFICATE URL: <a href="http://productguide.ulenvironment.com/SearchResults.aspx?BrandID=1808">http://productguide.ulenvironment.com/SearchResults.aspx?BrandID=1808</a>			

CERTIFICATION AND COMPLIANCE NOTES: VOC emissions testing according to the CDPH 01350 v1.1 2010 criteria.

### OTHER

#### Environmental Product Declaration - USG Sheetrock® Brand EcoSmart Panels Firecode 30®

CERTIFICATION AND COMPLIANCE NOTES: Environmental Product Declaration for the Life-Cycle Assessment of USG Sheetrock® Brand EcoSmart Panels Firecode 30® and can be found at [usg.com/sustainability](http://usg.com/sustainability).

## + 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.*

No accessories are required for this product.

## 📄 Section 5: General Notes

The International Agency for Research on Cancer (IARC) in June, 1987, categorized continuous filament glass fibers as not classifiable with respect to human carcinogenicity (Group 3). The evidence from human as well as animal studies was evaluated by IARC as insufficient to classify continuous filament glass fiber as a possible, probable, or confirmed cancer causing material.

## 👁️ Section 6: References

### MANUFACTURER INFORMATION

MANUFACTURER: **USG**

ADDRESS: **550 West Adams St  
Chicago IL 60661, United States**

WEBSITE: **usg.com**

CONTACT NAME: **USG Sustainability**

TITLE: **Sustainability Analyst**

PHONE: **1-800-USG4YOU**

EMAIL: **sustainability@usg.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

**GLO** Global warming

**MAM** Mammalian/systemic/organ toxicity

**MUL** Multiple hazards

**NEU** Neurotoxicity

**OZO** Ozone depletion

**PHY** Physical Hazard (reactive)

**REP** Reproductive toxicity

**RES** Respiratory sensitization

**SKI** Skin sensitization/irritation/corrosivity

**LAN** Land Toxicity

## 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.*