

HPD UNIQUE IDENTIFIER: 29011

CLASSIFICATION: 09 20 00 Plaster and Gypsum Board

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"/> 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><b>Explanation(s) provided for Residuals/Impurities?</b></p> <p><input checked="" type="radio"/> Yes <input type="radio"/> No</p>	<p><i>All Substances Above the Threshold Indicated Are:</i></p> <p><b>Characterized</b> <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p><i>% weight and role provided for all substances.</i></p> <p><b>Screened</b> <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p><i>All substances screened using Priority Hazard Lists with results disclosed.</i></p> <p><b>Identified</b> <input type="radio"/> Yes Ex/SC <input type="radio"/> Yes <input checked="" type="radio"/> No</p> <p><i>One or more substances not disclosed by Name (Specific or Generic) and Identifier and/ or one or more Special Condition did not follow guidance.</i></p>
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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 BM-3dg CELLULOSE, MICROCRYSTALLINE LT-UNK | RES STARCH LT-UNK SOLID / PLATE GLASS LT-UNK GLUCOSE BM-3 UNDISCLOSED LT-UNK POLY(VINYL ALCOHOL) LT-UNK ALUMINUM SULFATE LT-P1 | RES POLYCARBOXYLATE POLYMER (POLYCARBOXYLATE POLYMER) NoGS NAPHTHALENESULFONIC ACID, FORMALDEHYDE POLYMER, CALCIUM SALT LT-P1 ]**

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®  
 Other: ILFI Declare - LBC Compliant

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients Option 1 and Option 2

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared

VERIFIER:  
 VERIFICATION #:

SCREENING DATE: 2022-06-30

PUBLISHED DATE: 2022-06-30

EXPIRY DATE: 2025-06-30

## 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 2.2, available on the HPDC website at: [www.hpd-collaborative.org/hpd-2-2-standard](http://www.hpd-collaborative.org/hpd-2-2-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 manufactured 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

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-06-30 13:30:19**

#: **82.0000 - 95.0000** GS: **BM-3dg** RC: **PreC** NANO: **No** SUBSTANCE ROLE: **Structure component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard 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

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-06-30 13:30:20**

#: **5.5000 - 7.0000** GS: **LT-UNK** RC: **PostC** NANO: **No** SUBSTANCE ROLE: **Structure component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RES	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced

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

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-06-30 13:30:20**

#: **1.0000 - 2.5000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Binder**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard 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

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-06-30 13:30:21**

#: **0.1000 - 0.4000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Abrasion resistance**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard 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

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-06-30 13:30:21**

#: **0.0500 - 0.2000** GS: **BM-3** RC: **None** NANO: **No** SUBSTANCE ROLE: **Emulsifier**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard 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**

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-06-30 13:30:21**

#: **0.0500 - 0.2000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Binder**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard 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)

**POLY(VINYL ALCOHOL)**

ID: 9002-89-5

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-06-30 13:30:22**

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

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard 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

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-06-30 13:30:22**%: **0.0100 - 0.0600** GS: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Accelerator**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RES	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced

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

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-06-30 13:30:23**%: **0.0100 - 0.0400** GS: **NoGS** RC: **None** NANO: **No** SUBSTANCE ROLE: **Dispersant**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard 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.

**NAPHTHALENESULFONIC ACID, FORMALDEHYDE POLYMER, CALCIUM SALT**

ID: 37293-74-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-06-30 13:30:23**%: **0.0000 - 0.0400** GS: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Dispersant**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard 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.

## 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.

<b>VOC EMISSIONS</b>	<b>GREENGUARD Gold Certification - Sheetrock® Brand EcoSmart Panels Firecode 30®</b>		
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: All CERTIFICATE URL: <a href="http://productguide.ulenvironment.com/SearchResults.aspx?BrandID=1808">http://productguide.ulenvironment.com/SearchResults.aspx?BrandID=1808</a>	ISSUE DATE: 2016-06-01	EXPIRY DATE:	CERTIFIER OR LAB: UL Environment
CERTIFICATION AND COMPLIANCE NOTES: Building products and interior finishes are determined compliant in accordance with California Department of Public Health (CDPH) Standard Method V1.2-2017 using an Office and Classroom Environment. Product tested in accordance with UL 2821 test method to show compliance to emission limits on UL 2818. Section 7.1 and 7.2. Maximum allowable predicted TVOC concentrations for GREENGUARD Gold (0.22 mg/m <sup>3</sup> ) fall in the range of 0.5 mg/m <sup>3</sup> or less, as specified in CDPH Standard Method v1.2.			
<b>OTHER</b>	<b>Environmental Product Declaration - USG Sheetrock® Brand EcoSmart Panels Firecode 30®</b>		
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: All CERTIFICATE URL: <a href="http://productguide.ulenvironment.com/SearchResults.aspx?BrandID=1808">http://productguide.ulenvironment.com/SearchResults.aspx?BrandID=1808</a>	ISSUE DATE: 2016-06-20	EXPIRY DATE:	CERTIFIER OR LAB: UL Environment
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 <a href="http://usg.com/sustainability">usg.com/sustainability</a> .			
<b>OTHER</b>	<b>ILFI Declare - LBC Compliant</b>		
CERTIFYING PARTY: Self-declared APPLICABLE FACILITIES: All CERTIFICATE URL: <a href="https://living-future.org/declare/?manufacturer=united-states-gypsum-company">https://living-future.org/declare/?manufacturer=united-states-gypsum-company</a>	ISSUE DATE: 2017-03-01	EXPIRY DATE:	CERTIFIER OR LAB: ILFI
CERTIFICATION AND COMPLIANCE NOTES: Declare is a voluntary self-disclosure program, product have LBC Red-List free status.			

## 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.

<b>USG SHEETROCK® OR BEADDEX® BRAND FINISHING PRODUCTS</b>	HPD URL: <a href="https://www.usg.com/content/usgcom/en/search.html?resourceCenter=true&amp;filters=doc-types%3Ahealth-product-declaration,USG%3Alanguage/english">https://www.usg.com/content/usgcom/en/search.html?resourceCenter=true&amp;filters=doc-types%3Ahealth-product-declaration,USG%3Alanguage/english</a>
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**CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:**  
For high-quality finishing results, USG recommends USG Sheetrock® or Beadex® Brand finishing products. Painting products and systems should be used that comply with recommendations and requirements in Appendices of ASTM C840. For priming and decorating with paint, texture or wall covering, follow manufacturer's directions for materials used. Gypsum Association's Recommended Specification for Levels of Gypsum Board Finish (GA-214) should be referred to in order to determine the level of finishing needed to ensure a surface properly prepared to accept the final decoration. For additional installation information, refer to product submittal sheet.

## 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 USG Sheetrock Brand EcoSmart Panels Firecode 30  
[hpcrepository.hpd-collaborative.org](http://hpcrepository.hpd-collaborative.org)

filament glass fiber as a possible, probable, or confirmed cancer causing material.

MANUFACTURER INFORMATION

MANUFACTURER: USG
ADDRESS: 550 West Adams St
Chicago IL 60661, United States
WEBSITE: usg.com

CONTACT NAME: Stacy Simpson
TITLE: Sustainability Manager
PHONE: 1-800-USG4YOU
EMAIL: sustainability@usg.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
CAN Cancer
DEV Developmental toxicity
END Endocrine activity
EYE Eye irritation/corrosivity
GEN Gene mutation
GLO Global warming
LAN Land toxicity
MAM Mammalian/systemic/organ toxicity
MUL Multiple
NEU Neurotoxicity
NF Not found on Priority Hazard Lists
OZO Ozone depletion
PBT Persistent, bioaccumulative, and toxic
PHY Physical hazard (flammable or reactive)
REP Reproductive
RES Respiratory sensitization
SKI Skin sensitization/irritation/corrosivity
UNK Unknown

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 (due to insufficient data)
LT-P1 List Translator Possible 1 (Possible Benchmark-1)
LT-1 List Translator 1 (Likely Benchmark-1)
LT-UNK List Translator Benchmark Unknown (the chemical is present on at least one GreenScreen Specified List, but the information contained within the list did not result in a clear mapping to a LT-1 or LTP1 score.)
NoGS No GreenScreen.

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 HPD and for compliance with the HPD standard noted.