

**CLASSIFICATION:** 23 07 13 Duct Insulation

**PRODUCT DESCRIPTION:** Owens Corning® QuietR® Duct Board is a rigid, resin bonded fibrous glass board with a tough, damage-resistant, flame retardant, reinforced aluminum foil (FRK) facing; with a durable mat air stream surface. Owens Corning® QuietR® Spiral Duct Liner is a similar product to the Owens Corning® QuietR® Duct Board, which is tailored to fit your specific duct size, compression at grooves and joints is kept to a minimum, providing consistent thermal performance throughout the entire duct system. This HPD does cover both product lines.

## Section 1: Summary

## Basic Method / Product 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

- Considered  
 Partially Considered  
 Not Considered

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?

#### Threshold Disclosed Per

- Material  
 Product

Explanation(s) provided  
for Residuals/Impurities?  
 Yes  No

### 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](#)

[QUIETR® DUCT BOARD / QUIETR® SPIRAL DUCT LINER \[ FIBER GLASS, BIOSOLUBLE AND/OR WITH ALKALINE OXIDE AND ALKALI EARTH OXIDE CONTENT ≤18 % BY WEIGHT LT-UNK UREA PHENOL FORMALDEHYDE \(CURED PUF RESIN\) LT-UNK GLASS FILAMENTS NoGS KRAFT PAPER NoGS UNDISCLOSED LT-UNK UNDISCLOSED NoGS UNDISCLOSED NoGS ALUMINUM LT-P1 | RES | END | PHY UNDISCLOSED BM-2 | RES \]](#)

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:

All the contents down to 1000ppm of our final product (QuietR® Duct Board & QuietR® Spiral Duct Board Liner) are disclosed in this HPD.

### VOLATILE ORGANIC COMPOUND (VOC) CONTENT

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

VOC emissions: GreenGuard - Indoor Air Quality Certified

VOC emissions: GreenGuard - Gold (previously Children & Schools)

Recycled content: SCS Recycled Content Certification - Recycling Programs

Other: Environmental Product Declaration (EPD) by UL - Industry Generic

#### CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?

- Yes  
 No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2018-06-13

PUBLISHED DATE: 2018-06-14

EXPIRY DATE: 2021-06-13



## 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)

### QUIETR® DUCT BOARD / QUIETR® SPIRAL DUCT LINER

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: To the best of our knowledge, all chemicals presented at  $\geq 1000$  ppm on the final product have been considered and disclosed. However, minerals used in manufacturing of glass fiber, might contain trace level of impurities.

OTHER PRODUCT NOTES: A mixture of chemicals called binder is applied on the glass fiber to protect the glass surface and adhere the fibers together. Liquid form of the binder turns into solid form after chemicals react during the curing process. That means hazard warning on HPD might not be applicable as the physical state of a chemical changes during the curing process.

#### FIBER GLASS, BIOSOLUBLE AND/OR WITH ALKALINE OXIDE AND ALKALI EARTH OXIDE CONTENT $\leq 18$ % BY WEIGHT

ID: 65997-17-3

%: 70.0000 - 80.0000	GS: LT-UNK	RC: Both	NANO: No	ROLE: Thermal/Acoustic insulation
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Owens Corning instituted internal systems to assure continuous production of acceptable glasses based on state-of-the-art understanding of biosolubility. As a result of those steps, all the fiberglass and mineral wool insulations we sell, anywhere in the world, are continuously evaluated to assure that they are biosoluble, fulfilling the Note Q condition of the European Commission Directive 97/69/EC, and therefore do not present a health risk.

#### UREA PHENOL FORMALDEHYDE (CURED PUF RESIN)

ID: 25104-55-6

%: 10.0000 - 20.0000	GS: LT-UNK	RC: None	NANO: No	ROLE: Binder
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: The cured binder is the main component of the binder that holds fiberglass together and protects the glass surface.

#### GLASS FILAMENTS

ID: Not registered

%: 1.0000 - 5.0000	GS: NoGS	RC: None	NANO: No	ROLE: Airstream Stream & Facer Reinforcement
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: The continuous filament glass fiber used in this product has a diameter larger than 6 microns, fulfilling the Note R condition of the European Commission Directive 97/69/EC. These continuous filament glass cannot be inhaled into the lower lung and have never been associated with any chronic lung disease.

#### KRAFT PAPER

ID: Not registered

%: 1.0000 - 5.0000	GS: NoGS	RC: None	NANO: No	ROLE: Facer
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HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: Component of the vapor barrier facer to provide the durability and flexibility.

UNDISCLOSED

%, 0.1000 - 1.0000 GS: LT-UNK RC: None NANO: No ROLE: catalyst

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: The chemical that helps speed up the binder curing reaction that is incorporated into the binder.

UNDISCLOSED

%, 0.1000 - 1.0000 GS: NoGS RC: None NANO: No ROLE: Dedusting agent

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: The agent that is used to reduce the dust.

UNDISCLOSED

%, 0.1000 - 1.0000 GS: NoGS RC: None NANO: No ROLE: Binder

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: The binder used to make the veil that is used as airstream surface.

ALUMINUM

ID: 7429-90-5

%, 0.1000 - 5.0000 GS: LT-P1 RC: None NANO: No ROLE: Facer

HAZARDS: AGENCY(IES) WITH WARNINGS:

Table with 3 columns: Hazard Category, Agency/Statement, and Description. Rows include Respiratory (AOEC - Asthmagens), Endocrine (TEDX - Potential Endocrine Disruptors), and Physical Hazard (REACTIVE) with various GHS statements and hazard codes (H228, H250, H261).

SUBSTANCE NOTES: Aluminum foil is one of the components of the facer, and it is analogue to the household aluminum foil that is non-hazardous. Therefore, it shall not considered to be associated with all hazardous warnings associated with aluminum metal.

UNDISCLOSED

%, 0.1000 - 0.5000 GS: BM-2 RC: None NANO: No ROLE: Binder

HAZARDS: AGENCY(IES) WITH WARNINGS:

SUBSTANCE NOTES: The fire retardant is added to the veil binder to meet the required fire codes. It is incorporated into the matrix and shall not be released under normal use conditions.

## 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 - Indoor Air Quality Certified

CERTIFYING PARTY: Third Party	ISSUE DATE: 2007-07-09	EXPIRY DATE: 07-09	CERTIFIER OR LAB: UL Environment
APPLICABLE FACILITIES: Waxahachie, Texas			
CERTIFICATE URL: <a href="https://spot.ulprospector.com/en/na/BuiltEnvironment/Detail/32666/680438/QuietR-Duct-Board?st=1&amp;sl=60719108&amp;crit=a2V5d29yZDpbT3dlbnMgQ29ybmluZ10%3d&amp;ss=2&amp;k=Owens Corning&amp;t=Owens+Corning">https://spot.ulprospector.com/en/na/BuiltEnvironment/Detail/32666/680438/QuietR-Duct-Board?st=1&amp;sl=60719108&amp;crit=a2V5d29yZDpbT3dlbnMgQ29ybmluZ10%3d&amp;ss=2&amp;k=Owens Corning&amp;t=Owens+Corning</a>			

CERTIFICATION AND COMPLIANCE NOTES: GREENGUARD Certification 3991-410

### VOC EMISSIONS

#### GreenGuard - Gold (previously Children & Schools)

CERTIFYING PARTY: Third Party	ISSUE DATE: 2007-07-09	EXPIRY DATE: 07-09	CERTIFIER OR LAB: UL Environment
APPLICABLE FACILITIES: Waxahachie, Texas			
CERTIFICATE URL: <a href="https://spot.ulprospector.com/en/na/BuiltEnvironment/Detail/32666/680438/QuietR-Duct-Board?st=1&amp;sl=60719108&amp;crit=a2V5d29yZDpbT3dlbnMgQ29ybmluZ10%3d&amp;ss=2&amp;k=Owens Corning&amp;t=Owens+Corning">https://spot.ulprospector.com/en/na/BuiltEnvironment/Detail/32666/680438/QuietR-Duct-Board?st=1&amp;sl=60719108&amp;crit=a2V5d29yZDpbT3dlbnMgQ29ybmluZ10%3d&amp;ss=2&amp;k=Owens Corning&amp;t=Owens+Corning</a>			

CERTIFICATION AND COMPLIANCE NOTES: GREENGUARD Gold Certification 3991-420 (For products 1" or less in thickness)

### RECYCLED CONTENT

#### SCS Recycled Content Certification - Recycling Programs

CERTIFYING PARTY: Third Party	ISSUE DATE: 2018-04-01	EXPIRY DATE: 2019-03-31	CERTIFIER OR LAB: SCS Global
APPLICABLE FACILITIES: Waxahachie, Texas			
CERTIFICATE URL: <a href="https://dcpd6wotaa0mb.cloudfront.net/mdms/dms/Sustainability/10021333/10021333-SCS-Certificates-SCS-MC-02066-53-percent.pdf?v=1522400411000">https://dcpd6wotaa0mb.cloudfront.net/mdms/dms/Sustainability/10021333/10021333-SCS-Certificates-SCS-MC-02066-53-percent.pdf?v=1522400411000</a>			

CERTIFICATION AND COMPLIANCE NOTES: Conforms to the SCS Recycled Content Standard V7-0 for an Average 53% with Minimum 22% Post- Consumer and Balance 31% Pre-Consumer Recycled Glass Content. Material quantification is based on a plant-wide weighted average.

### OTHER

#### Environmental Product Declaration (EPD) by UL - Industry Generic

CERTIFYING PARTY: Third Party	ISSUE DATE: 2015-11-17	EXPIRY DATE: 2020-11-16	CERTIFIER OR LAB: UL Environment
APPLICABLE FACILITIES: Waxahachie, Texas			
CERTIFICATE URL: <a href="https://www.owenscorning.com/ocbuildingspec/pdf/113.1_Owens_Corning_QuietR_Duct_Board_20160106.pdf">https://www.owenscorning.com/ocbuildingspec/pdf/113.1_Owens_Corning_QuietR_Duct_Board_20160106.pdf</a>			

CERTIFICATION AND COMPLIANCE NOTES: Environmental Product Declaration

## 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 health warning is automatically applied through the HPD 2.1 software. It does not apply to the specific situation

of the ingredients in our product (for example, the form of the ingredient is not considered via the software screening).

**MANUFACTURER INFORMATION**

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MANUFACTURER: **Owens Corning**  
ADDRESS: **1 Owens Corning Parkway**  
**Toledo Ohio 43659, USA**  
WEBSITE: **www.owenscorning.com**

CONTACT NAME: **Jiafan Wang, Ph.D.**  
TITLE: **Environmental Toxicologist**  
PHONE: **800-GET-TECH**  
EMAIL: **Sustainability@owenscorning.com**

**KEY**

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**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**

<b>AQU</b> Aquatic toxicity	<b>GLO</b> Global warming	<b>PHY</b> Physical Hazard (reactive)
<b>CAN</b> Cancer	<b>MAM</b> Mammalian/systemic/organ toxicity	<b>REP</b> Reproductive toxicity
<b>DEV</b> Developmental toxicity	<b>MUL</b> Multiple hazards	<b>RES</b> Respiratory sensitization
<b>END</b> Endocrine activity	<b>NEU</b> Neurotoxicity	<b>SKI</b> Skin sensitization/irritation/corrosivity
<b>EYE</b> Eye irritation/corrosivity	<b>OZO</b> Ozone depletion	<b>LAN</b> Land Toxicity
<b>GEN</b> Gene mutation	<b>PBT</b> Persistent Bioaccumulative Toxic	<b>NF</b> Not found on Priority Hazard Lists

**GreenScreen (GS)**

<b>BM-4</b> Benchmark 4 (prefer-safer chemical)	<b>LT-P1</b> List Translator Possible Benchmark 1
<b>BM-3</b> Benchmark 3 (use but still opportunity for improvement)	<b>LT-1</b> List Translator Likely Benchmark 1
<b>BM-2</b> Benchmark 2 (use but search for safer substitutes)	<b>LT-UNK</b> List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)
<b>BM-1</b> Benchmark 1 (avoid - chemical of high concern)	<b>NoGS</b> Unknown (no data on List Translator Lists)
<b>BM-U</b> Benchmark Unspecified (insufficient data to benchmark)	

**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.*