

HPD UNIQUE IDENTIFIER: 27415

CLASSIFICATION: 07 21 13 Board Insulation

PRODUCT DESCRIPTION: Owens Corning FOAMULAR Extruded Polystyrene (XPS) Rigid Foam Insulation is a closed cell, moisture-resistant rigid foam board well suited to meet the needs for a wide variety of residential and commercial construction applications.

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 ☐ Other	Residuals/Impurities ☒ Considered ☐ Partially Considered ☐ Not Considered Explanation(s) provided for Residuals/Impurities? ☒ Yes ☐ No	<i>All Substances Above the Threshold Indicated Are:</i> Characterized ☐ Yes Ex/SC ☒ Yes ☐ No <i>% weight and role provided for all substances.</i> Screened ☐ Yes Ex/SC ☒ Yes ☐ No <i>All substances screened using Priority Hazard Lists with results disclosed.</i> Identified ☐ Yes Ex/SC ☐ Yes ☒ No <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>
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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
FOAMULAR EXTRUDED POLYSTYRENE INSULATION [POLYSTYRENE LT-UNK POLYSTYRENE LT-UNK UNDISCLOSED LT-UNK | GLO UNDISCLOSED LT-UNK | GLO UNDISCLOSED LT-1 | PBT UNDISCLOSED LT-UNK GRAPHITE LT-UNK]

Number of Greenscreen BM-4/BM3 contents ... 0
Contents highest concern GreenScreen Benchmark or List translator Score ... LT-1
Nanomaterial ... No
INVENTORY AND SCREENING NOTES:
Substances representing 100% of the product weight meet the 1000 ppm Threshold and were Screened.

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
VOC emissions: UL/GreenGuard Certified
Recycled content: SCS Recycled Content Certification - Recycling Programs
Multi-attribute: Environmental Product Declaration (EPD) by UL

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: 2022-01-28 PUBLISHED DATE: 2022-01-31 EXPIRY DATE: 2025-01-28
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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

FOAMULAR EXTRUDED POLYSTYRENE INSULATION

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: To the best of our knowledge, all residual and impurities are considered.

OTHER PRODUCT NOTES: FOAMULAR Extruded Polystyrene (XPS) Rigid Foam Insulation is offered in variety of thickness and densities. The range of substances is necessary to represent all product thickness and densities.

POLYSTYRENE		ID: 9003-53-6	
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-01-28 14:46:39	
%: 65.0000 - 75.0000	GS: LT-UNK	RC: PreC	NANO: No SUBSTANCE ROLE: Polymer species
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS	
None found		No warnings found on HPD Priority Hazard Lists	
SUBSTANCE NOTES: Resin used in making the Foamular Board.			

POLYSTYRENE			ID: 9003-53-6		
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2022-01-28 14:46:39		
%: 20.0000 - 30.0000		GS: LT-UNK	RC: PreC	NANO: No	SUBSTANCE ROLE: Polymer species
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS		
None found			No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES: This portion of the resin is 100% pre -consumer recycled polystyrene.					

UNDISCLOSED			ID: Undisclosed			
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-01-28 14:46:40				
%: 2.0000 - 10.0000		GS: LT-UNK		RC: None	NANO: No	SUBSTANCE ROLE: Blowing agent
HAZARD TYPE		AGENCY AND LIST TITLES		WARNINGS		
GLO		IPCC - Global Warming Chemicals		Chemicals with Global Warming Potential		
GLO		US EPA - Global Warming Potentials		Global Warming Potential greater than 1,000		
SUBSTANCE NOTES: Portion of blowing agent blend with Global Warming Potential <1,000						

UNDISCLOSED			ID: Undisclosed
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HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-01-28 14:46:40	
%: 2.0000 - 5.0000		GS: LT-UNK	RC: None NANO: No SUBSTANCE ROLE: Blowing agent
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS	
GLO	IPCC - Global Warming Chemicals	Chemicals with Global Warming Potential	
GLO	US EPA - Global Warming Potentials	Global Warming Potential greater than 100	
SUBSTANCE NOTES: Portion of blowing agent blend with Global Warming Potential <100			

UNDISCLOSED

ID: **Undisclosed**

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-01-28 14:46:41	
%: 0.1000 - 2.0000		GS: LT-1	RC: None NANO: No SUBSTANCE ROLE: Flame retardant
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS
PBT	OSPAR - Priority PBTs & EDs & equivalent concern		PBT - Chemical for Priority Action
PBT	EHP - San Antonio Statement on BFRs & CFRs		Flame retardant substance class of concern for PB&T & long range transport
SUBSTANCE NOTES: The flame retardant used in our Foamular XPS product is a polymeric halogenated flame retardant (Non-HBCD) and it is not on LBC v3.1 Red List chemicals.			

UNDISCLOSED

ID: **Undisclosed**

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-01-28 14:46:41				
%: 0.1000 - 4.0000		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: This resin is the carrier for an additive.						

GRAPHITE

ID: **7782-42-5**

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-01-28 14:46:42	
%: 0.1000 - 2.0000		GS: LT-UNK	
		RC: None	NANO: No
		SUBSTANCE ROLE: Nucleating agent	
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS
None found			No warnings found on HPD Priority Hazard Lists
SUBSTANCE NOTES: An Additive to improve some of the product properties.			

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 APPLICABLE FACILITIES: Tallmadge, OH, USA; Gresham, OR, USA; Rockford, IL, USA; Valleyfield, QC, CAN; Monterrey, MEX CERTIFICATE URL: https://spot.ul.com	ISSUE DATE: 2006-02-17	EXPIRY DATE:	CERTIFIER OR LAB: UL Environment
CERTIFICATION AND COMPLIANCE NOTES: The GREENGUARD Gold Certification standard includes health based criteria for additional chemicals and also requires lower total VOC emissions levels to ensure that products are acceptable for use in environments such as schools and healthcare facilities. GREENGUARD Gold certification standard meets the requirements for California Department of Public Health's CDPH Standard.			

VOC EMISSIONS	UL/GreenGuard Certified		
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: Tallmadge, OH, USA; Gresham, OR, USA; Rockford, IL, USA; Valleyfield, QC, CAN; Monterrey, MEX CERTIFICATE URL: https://spot.ul.com	ISSUE DATE: 2003-06-16	EXPIRY DATE:	CERTIFIER OR LAB: UL Environment
CERTIFICATION AND COMPLIANCE NOTES:			

RECYCLED CONTENT	SCS Recycled Content Certification - Recycling Programs		
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: Tallmadge, OH, USA; Gresham, OR, USA; Rockford, IL, USA; Valleyfield, QC, CAN; Monterrey, MEX CERTIFICATE URL: https://www.scscertified.com	ISSUE DATE: 2018-04-01	EXPIRY DATE:	CERTIFIER OR LAB: SCS Global
CERTIFICATION AND COMPLIANCE NOTES: Registration # SCS-MC-01132			

MULTI-ATTRIBUTE	Environmental Product Declaration (EPD) by UL		
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: Tallmadge, OH, USA; Gresham, OR, USA; Rockford, IL, USA; Valleyfield, QC, CAN; Monterrey, MEX CERTIFICATE URL: https://spot.ul.com	ISSUE DATE: 2019-01-01	EXPIRY DATE:	CERTIFIER OR LAB: UL Environment
CERTIFICATION AND COMPLIANCE NOTES:			

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 HPD Builder was used to screen all chemicals used in making the product.

Note there is a separate HPD for FOAMULAR NGX, which uses a lower GWP blowing agent blend.

MANUFACTURER INFORMATION

MANUFACTURER: Owens Corning
ADDRESS: One Owens Corning Parkway
 Toledo Ohio 43659, United States
WEBSITE: www.owenscorning.com

CONTACT NAME: Stan Wolfersberger
TITLE: Sustainability Leader
PHONE: 800-GET-PINK
EMAIL: stan.wolfersberger@owenscorning.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-1 List Translator 1 (Likely Benchmark-1)
BM-3 Benchmark 3 (use but still opportunity for improvement)	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.)
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)	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.