

HPD UNIQUE IDENTIFIER: 851776504832

CLASSIFICATION: 07 84 00 Firestopping

PRODUCT DESCRIPTION: Siderise offers an extensive range of passive fire, acoustic and thermal solutions for the building envelope. The products covered by this HPD feature a Lamella insulation core comprising durable and resilient vertically oriented stone wool fibres laterally compressed under factory-controlled conditions and held in place with aluminium foil facings heat-bonded to the cut face of the fibres. Technical Datasheets detailing their properties, performance, intended application and use, and relevant test data are available for each product listed.

Section 1: Summary

Nested Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format	Threshold Level	Residuals/Impurities Evaluation	
<input checked="" type="radio"/> Nested Materials Method	<input type="radio"/> 100 ppm	Completed in 2 of 2 Materials	<i>For all contents above the threshold, the manufacturer has:</i>
<input type="radio"/> Basic Method	<input checked="" type="radio"/> 1,000 ppm	Explanation(s) provided for Residuals/Impurities?	Characterized <input checked="" type="radio"/> Yes <input type="radio"/> No
Threshold Disclosed Per	<input type="radio"/> Per GHS SDS	<input checked="" type="radio"/> Yes <input type="radio"/> No	<i>Provided weight and role.</i>
<input type="radio"/> Material	<input type="radio"/> Other		Screened <input checked="" type="radio"/> Yes <input type="radio"/> No
<input checked="" type="radio"/> Product			<i>Provided screening results using HPDC-approved methods.</i>
			Identified <input type="radio"/> Yes <input checked="" type="radio"/> No
			<i>Provided name and CAS RN or other identifier.</i>

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.

NESTED MATERIAL | MATERIAL OR SUBSTANCE | RESIDUAL OR IMPURITY
GREENSCREEN SCORE | HAZARD TYPE
MINERAL WOOL INSULATION, UNFACED [STONE WOOL, BIOSOLUBLE LT-UNK PHENOL-FORMALDEHYDE RESIN LT-P1 UREA LT-UNK | EYE UNDISCLOSED LT-P1 | PBT | MUL | CAN | SKI | DEV]
FOIL FACER [ALUMINUM BM-1 | END | MAM | PHY POLYETHYLENE LT-UNK CONTINUOUS FILAMENT GLASS FIBER, NON-RESPIRABLE LT-UNK]

Number of Greenscreen BM-4/BM3 contents ... 0
Contents highest-concern GreenScreen score(s) (BM-1, LT-1, LT-P1) ... BM-1, LT-P1
Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

Raw material supplier required the identity of the dedusting oil to be kept confidential.

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: CDPH Standard Method V1.2 (Section 01350/CHPS) - Classroom & Office scenario
VOC emissions: CDPH Standard Method V1.2 (Section 01350/CHPS) - Classroom & Office scenario

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?

Yes

No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2024-09-04

PUBLISHED DATE: 2024-09-04

EXPIRY DATE: 2027-09-04

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 2.3, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-3-standard

MINERAL WOOL INSULATION, UNFACED

#: 99.0000 - 99.0000

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes MATERIAL TYPE: Geologically Derived Material

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were considered based on engagement with the suppliers.

OTHER MATERIAL NOTES: The hazard warnings of the phenol formaldehyde urea resin might not be applicable as resin binder cures during application and forms a polymer mixture on the fibres.

STONE WOOL, BIOSOLUBLE

ID: 65997-17-3

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2024-09-04 7:27:31**

#: **95.0000 - 100.0000** GreenScreen: **LT-UNK** RC: **PreC** NANO: **No** SUBSTANCE ROLE: **Insulator**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
EXEMPT	European Union / European Commission (EU EC)	EU - REACH Exemptions Exempted from REACH Annex V listing due to intrinsic safety

SUBSTANCE NOTES: Registered in the EU under EC 926-099-9, the substance complies with Note Q of Annex VI of the CLP Regulation. The percent by weight of the substance is disclosed as a range to account for variances across the products covered by this HPD.

PHENOL-FORMALDEHYDE RESIN

ID: 9003-35-4

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2024-09-04 7:27:31**

#: **0.0000 - 5.0000** GreenScreen: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Binder**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	International Living Future Institute (ILFI)	Living Building Challenge 4.0 - Red List of Materials & Chemicals - Effective April 1, 2024 Red List substances to avoid in Living Building Challenge V4.0 projects

SUBSTANCE NOTES: Part of the binder. The percent by weight of the substance is disclosed as a range to account for variances across the products covered by this HPD.

UREA ID: **57-13-6**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2024-09-04 7:27:31**

%: **0.0000 - 1.0000** GreenScreen: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Binder**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
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EYE	GHS - New Zealand	Eye irritation category 2
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ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
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RESTRICTED LIST	Green Science Policy Institute (GSPI)	GSPI - Six Classes Precautionary List Antimicrobials
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SUBSTANCE NOTES: Part of the binder. The percent by weight of the substance is disclosed as a range to account for variances across the products covered by this HPD.

UNDISCLOSED ID: **Undisclosed**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2024-09-04 7:27:32**

%: **0.0000 - 0.5000** GreenScreen: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Dedusting**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
PBT	EC - CEPA DSL	Persistent, Bioaccumulative and inherently Toxic (PBiTH) to humans
MUL	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
CAN	GHS - Australia	H350 - May cause cancer [Carcinogenicity - Category 1A or 1B]
SKI	GHS - Australia	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]
DEV	GHS - Australia	H361d - Suspected of damaging the unborn child [Reproductive toxicity - Category 2]

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Children's Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Formulated Consumer Products

SUBSTANCE NOTES: This substance has a harmonised classification under the European Classification, Labelling and Packaging Regulation (CLP, (EC) 1272/2008) as carcinogenic, but according to the Regulation an important exemption from the carcinogenicity applies if the criteria specified under Note L are met.

The Nota system is an integral part of the CLP Regulation.

The criteria under Note L is the following: The harmonised classification as a carcinogen applies unless it can be shown that the substance contains less than 3 % of dimethyl sulphoxide extract as measured by IP 346 ('Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions – Dimethyl sulphoxide extraction refractive index method' Institute of Petroleum, London), in which case a classification in accordance with Title II of this Regulation shall be performed also for that hazard class.

As the criteria under Note L of the CLP Regulation are met, therefore the substance is not classified under EU legislation as carcinogenic.

The percent by weight of the substance is disclosed as a range to account for variances across the products covered by this HPD.

FOIL FACER

%: 1.0000 - 1.0000

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes MATERIAL TYPE: Metal

RESIDUALS AND IMPURITIES NOTES: To the best of our knowledge, all residual and impurities are considered above the disclosure limit of 1000 ppm.

OTHER MATERIAL NOTES: Facer is manufactured by aluminium foil and glass fibre scrim bound together by polyethylene.

ALUMINUM

ID: 7429-90-5

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2024-09-04 7:27:32**

%: 56.5000 - 56.5000

GreenScreen: **BM-1**

RC: **UNK**

NANO: **No**

SUBSTANCE ROLE: **Reflectance**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]
MAM	GHS - Japan	H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]
PHY	GHS - Japan	H261 - In contact with water releases flammable gas [Substances and mixtures, which in contact with water, emit flammable gases - Category 2]
PHY	GHS - Malaysia	H250 - Catches fire spontaneously if exposed to air [Pyrophoric liquids; Pyrophoric solids - Category 1]
PHY	GHS - Australia	H250 - Catches fire spontaneously if exposed to air [Pyrophoric liquids; Pyrophoric solids - Category 1]
PHY	GHS - New Zealand	Pyrophoric solids category 1
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Biological and Environmentally Released Materials
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Children's Products

SUBSTANCE NOTES: Aluminium foil, the supplier did not claim any recycled content. The percent by weight of the substance is disclosed as a range to account for variances across the products covered by this HPD

POLYETHYLENE

ID: 9002-88-4

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2024-09-04 7:27:31		
%: 25.6000 - 25.6000	GreenScreen: LT-UNK	RC: UNK	NANO: No	SUBSTANCE ROLE: Adhesive
HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION		
None found		No listings found on Additional Hazard Lists		

SUBSTANCE NOTES: PE foil binds together the aluminium foil and the glass scrim. The percent by weight of the substance is disclosed as a range to account for variances across the products covered by this HPD.

CONTINUOUS FILAMENT GLASS FIBER, NON-RESPIRABLE

ID: 65997-17-3

%: **17.9000 - 17.9000** GreenScreen: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Structure component**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
EXEMPT	European Union / European Commission (EU EC)	EU - REACH Exemptions Exempted from REACH Annex V listing due to intrinsic safety

SUBSTANCE NOTES: The fiberglass reinforcing yarns adds strength to the foil facer. The percent by weight of the substance is disclosed as a range to account for variances across the products covered by this HPD.

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

CDPH Standard Method V1.2 (Section 01350/CHPS) - Classroom & Office scenario

CERTIFYING PARTY: Third Party

ISSUE DATE: 2023-11-01 00:00:00

CERTIFIER OR LAB: Eurofins

APPLICABLE FACILITIES: Forge Industrial Estate,

EXPIRY DATE:

Product Testing A/S

Maesteg, Wales

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: Product tested: FS60 For VOC's we recommend that the classroom and office scenario used in the test reports is checked against any specific application for compliance.

VOC EMISSIONS

CDPH Standard Method V1.2 (Section 01350/CHPS) - Classroom & Office scenario

CERTIFYING PARTY: Third Party

ISSUE DATE: 2023-09-14 00:00:00

CERTIFIER OR LAB: Middle East

APPLICABLE FACILITIES: Forge Industrial Estate,

EXPIRY DATE:

Testing Laboratory L.L.C. (METS)

Maesteg, Wales

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: CW-FS, CH, EW, RV, TW, RF & SC (FS120) For VOC's we recommend that the classroom and office scenario used in the test reports is checked against any specific application for compliance.

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.

B65/110 (G/S), B195 (G/S), B355 (G/S) SUPPLIED IN GALVANISED OR STAINLESS STEEL

MANUFACTURER (OR GENERIC): **Generic**

HPD URL: No HPD available

ACCESSORY TYPE: Installation Accessory

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Relevant for all products listed in section 5 of HPD

RFT120 SELF-ADHESIVE FOIL TAPE

MANUFACTURER (OR GENERIC): **Generic**

HPD URL: No HPD available

ACCESSORY TYPE: Installation Accessory

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Relevant for all products listed in section 5 of HPD This product has been Volatile Organic Compound (VOC) tested for emissions from Aluminium Foil Tape to CDPH and Gold standard and has been passed for the following; CDPH, French VOC Regulation, French CMR Components, AgBB, Belgain Regulation EMI CODE, Indoor Air Comfort®, Indoor Air Comfort GOLD®, EN 717-1 §, BREEAM International, LEED v4 (outside U.S.)."

Section 5: General Notes

This HPD covers the following products:

CW-FS – Perimeter Barriers and Firestops for Curtain Walling – CW-CB30, CW-FS60, CW-FS120, CW-FS60X, CW-FS180

RV – Cavity Barriers for Cladding/Rainscreen - Vertical – RV 90/30, RV 90/60, RV 120/120

EW – Cavity Barriers and Firestops for Masonry External Walls – EW-CB30, EW-FS60, EW-FS120

CH – Cavity Barriers for Non-ventilated Cladding – Horizontal – CH-60/60, CH-120/120

RF – Cavity Barriers and Firestops for Raised Access Floors – RF-CB30, RF-FS60, RF-FS120, RF-CB30-X, RF-FS60-X

TW – Firestops for Tops of Walls – TW-CB30, TW-FS60, TW-FS120

FF – Firefloor Systems for Existing Timber Floors - FF-NPC60, FF-PC60WJ, FF-NPC60WJ

CVB – Acoustic Void Barriers for Ceilings and Floors - CVB/75LAM/90, CVB/75LAM/120

These products have the same compositional chemistry, except at different percent by weights due to size of cuts, thickness and proportional differences between the insulation content and facing. Requirements for covering multiple products with greater than 10% variation, as described in section 3.1.1. of the HPD Standard v2.3, are met.

This is to confirm that in the manufacture of CW-FS supplied by Siderise, substances from the Candidate list of SVHC, as updated on 23 January 2024, are not intentionally used. Where any of these may be present unintentionally, we confirm that the content of any such substances will be below 0.1% in each instance.

MANUFACTURER INFORMATION

MANUFACTURER: **Siderise Insulation Limited**
 ADDRESS: **Forge Industrial Estate**
Maesteg
Bridgend, Wales CF34 0AH
 COUNTRY: **UK**

WEBSITE: **siderise.com**
 CONTACT NAME: **Kara Bennett**
 TITLE: **Miss**
 PHONE: **+44 (0) 1656 335819**
 EMAIL: **kara.bennett@siderise.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-P1 List Translator Possible 1 (Possible Benchmark-1)
BM-3 Benchmark 3 (use but still opportunity for improvement)	LT-1 List Translator 1 (Likely Benchmark-1)
BM-2 Benchmark 2 (use but search for safer substitutes)	LT-UNK List Translator Benchmark Unknown
BM-1 Benchmark 1 (avoid - chemical of high concern)	NoGS No GreenScreen.
BM-U Benchmark Unspecified (due to insufficient data)	

GreenScreen Benchmark scores sometimes also carry subscripts, which provide more context for how the score was determined. These are DG (data gap), TP (transformation product), and CoHC (chemical of high concern). For more information, see 2.2.2.4 GreenScreen® for Safer Chemicals, www.greenscreenchemicals.org, and Best Practices for Hazard Screening on the HPDC website (hpd-collaborative.org).

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

