

HPD UNIQUE IDENTIFIER: 24038

CLASSIFICATION: 07 22 00 Roof and Deck Insulation

PRODUCT DESCRIPTION: ROCKWOOL Toprock® DD is a high density, dual density stone wool insulation board for low-sloped roofs. With its high impact resistance and dimensional stability, it can be used as a roof insulation or insulating cover board, suitable for all low-sloped roof decks. Toprock® DD Plus is bitumen coated, compatible as the substrate for torched and hot-mopped roofing membranes. Stone wool roof insulation boards provide excellent acoustic reduction, absorption and impact performance. Rockwool™ is part of Rockwool International A/S, also known as Rockwool Group.

Section 1: Summary Basic Method / Product Threshold

CONTENT INVENTORY

Table with 4 columns: Inventory Reporting Format, Threshold level, Residuals/Impurities, and screening notes. Includes options for nested materials, basic method, and threshold disclosure per material or product.

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
STONE WOOL INSULATION, FLAT ROOFING PRODUCTS: TOPROCK® DD AND TOPROCK® DD PLUS [ STONE WOOL, BIOSOLUBLE LT-UNK
BITUMENS, OCCUPATIONAL EXPOSURE TO OXIDIZED BITUMENS AND THEIR EMISSIONS DURING ROOFING LT-1 | CAN PHENOL, POLYMER WITH FORMALDEHYDE LT-P1 | RES UREA LT-UNK
SYRUPS, HYDROLYZED STARCH NoGS LUBRICATING OILS, USED, RESIDUES LT-P1 | PBT UNDISCLOSED LT-1 ]

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:
This product is not considered identified due to the proprietary nature of some chemicals within the product's formulation.

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: Not Applicable
LCA: Environmental Product Declaration

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients Option 1

Third Party Verified? PREPARER: Self-Prepared SCREENING DATE: 2021-03-05
VERIFIER: PUBLISHED DATE: 2021-03-05
VERIFICATION #: EXPIRY DATE: 2024-03-05

## 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)

### STONE WOOL INSULATION, FLAT ROOFING PRODUCTS: TOPROCK® DD AND TOPROCK® DD PLUS

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED:  
Yes

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were considered following standard industry methods.

OTHER PRODUCT NOTES: This declaration is based on pre-cured breakdown of the material ingredients. A mixture of chemicals called binder is applied on the stone wool fibers to adhere them together. The liquid binder turns into solid after chemicals react during the curing process. Therefore, hazard warnings on the HPD might not be applicable as the physical state of a chemical changes during the curing process.

#### STONE WOOL, BIOSOLUBLE

ID: 65997-17-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-03-05

#: 86.0000 - 96.0000 GS: LT-UNK 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: Stone wool products produced by ROCKWOOL are continually monitored and are in fulfilment of the CLP regulation Annex VI Note Q conditions (stone wool can also be referenced by the EC Number: 926-099-9).

The pre-consumer recycled content comes primarily from recycled slag.

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

#### BITUMENS, OCCUPATIONAL EXPOSURE TO OXIDIZED BITUMENS AND THEIR EMISSIONS DURING ROOFING

ID: 64742-93-4

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-03-05

#: 0.0000 - 10.0000 GS: LT-1 RC: None NANO: No SUBSTANCE ROLE: Coating

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CAN	US CDC - Occupational Carcinogens	Occupational Carcinogen
CAN	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification
CAN	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
CAN	CA EPA - Prop 65	Carcinogen
CAN	IARC	Group 2a - Agent is probably Carcinogenic to humans

SUBSTANCE NOTES: Forms part of the PLUS coating.

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

**PHENOL, POLYMER WITH FORMALDEHYDE**

ID: 9003-35-4

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-03-05**

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

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

SUBSTANCE NOTES: Forms part of the binder which adheres the fibres in the final product.

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 SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-03-05**

#: **0.0000 - 2.0000** 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: Forms part of the binder which adheres the fibres in the final product.

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

**SYRUPS, HYDROLYZED STARCH**

ID: 8029-43-4

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-03-05**

#: **0.0000 - 2.0000** GS: **NoGS** 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: Forms part of the binder which adheres the fibres in the final product.

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

**LUBRICATING OILS, USED, RESIDUES**

ID: 129893-17-0

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-03-05**

#: **0.0000 - 1.0000** GS: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Lubricant**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
PBT	EC - CEPA DSL	Persistent, Bioaccumulative and inherently Toxic (PBiTE) to the Environment (based on aquatic organisms)

SUBSTANCE NOTES: Forms part of the PLUS coating.

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 SCREENING METHOD: **Toxnot Chemical Hazard Screening Library** HAZARD SCREENING DATE: **2021-03-05**

#: **0.0000 - 1.0000** GS: **LT-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Dedusting**

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

SUBSTANCE NOTES: A de-duster oil used to control and reduce dust. The de-duster oil is considered proprietary by the manufacturer.

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	Not Applicable		
CERTIFYING PARTY: Self-declared APPLICABLE FACILITIES: Grand Forks, British Columbia, Canada; Milton, Ontario, Canada; and Marshall County, Mississippi, USA CERTIFICATE URL:	ISSUE DATE: 2021-01-19	EXPIRY DATE:	CERTIFIER OR LAB: Not Applicable
CERTIFICATION AND COMPLIANCE NOTES: TOPROCK® DD and TOPROCK® DD Plus are intended for use in exterior insulation applications. There is no emissions scenario under the current version of CDPH Standard Method V1.2 (Section 01350/CHPS) for exterior products.			

LCA	Environmental Product Declaration		
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: Grand Forks, British Columbia, Canada; Milton, Ontario, Canada; and Marshall County, Mississippi, USA CERTIFICATE URL: <a href="https://www.rockwool.com/siteassets/o2-rockwool/documentation/epd/rockwool-stone-wool-environmental-product-declaration-epd.pdf#">https://www.rockwool.com/siteassets/o2-rockwool/documentation/epd/rockwool-stone-wool-environmental-product-declaration-epd.pdf#</a>	ISSUE DATE: 2019-07-17	EXPIRY DATE: 2024-06-17	CERTIFIER OR LAB: UL Environment
CERTIFICATION AND COMPLIANCE NOTES: The environmental impact reference product was SAFE'n'SOUND®. To calculate product-specific environmental impacts of the products covered by this HPD, apply the relevant scaling factor found on page 3 of the EPD (as well as the environmental impact factor for faced materials, if applicable, which can be found in the Annex of the EPD).			

## 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

This HPD covers the following products: TOPROCK® DD (2", 2.5"), TOPROCK® DD Plus (2", 2.5"), TOPROCK® DD (>2.5") and TOPROCK® DD Plus (>2.5"). These products have the same compositional chemistry, except at different percent by weights. This variance is limited to 10% or less of the total mass of each product.

**MANUFACTURER INFORMATION**

**MANUFACTURER:** ROCKWOOL Inc.  
**ADDRESS:** 8024 Esquesing Line  
 Milton Ontario L9T 6W3, Canada  
**WEBSITE:** rockwool.com

**CONTACT NAME:** Alejandra Nieto  
**TITLE:** Technical Manager - Sustainability & Research  
**PHONE:** 1-800-265-6878  
**EMAIL:** alejandra.nieto@rockwool.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**

<b>AQU</b> Aquatic toxicity	<b>LAN</b> Land toxicity	<b>PHY</b> Physical hazard (flammable or reactive)
<b>CAN</b> Cancer	<b>MAM</b> Mammalian/systemic/organ toxicity	<b>REP</b> Reproductive
<b>DEV</b> Developmental toxicity	<b>MUL</b> Multiple	<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>NF</b> Not found on Priority Hazard Lists	<b>UNK</b> Unknown
<b>GEN</b> Gene mutation	<b>OZO</b> Ozone depletion	
<b>GLO</b> Global warming	<b>PBT</b> Persistent, bioaccumulative, and toxic	

**GreenScreen (GS)**

<b>BM-4</b> Benchmark 4 (prefer-safer chemical)	<b>LT-1</b> List Translator 1 (Likely Benchmark-1)
<b>BM-3</b> Benchmark 3 (use but still opportunity for improvement)	<b>LT-UNK</b> 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.)
<b>BM-2</b> Benchmark 2 (use but search for safer substitutes)	<b>NoGS</b> No GreenScreen.
<b>BM-1</b> Benchmark 1 (avoid - chemical of high concern)	
<b>BM-U</b> Benchmark Unspecified (due to insufficient data)	
<b>LT-P1</b> List Translator Possible 1 (Possible Benchmark-1)	

**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.*