

# SPEC MIX® - SETTING BED MORTAR - POLYMER MODIFIED by Package Pavement - Spec Mix

# Health Product Declaration v2.1

CLASSIFICATION: 04 05 13.26 ENGINEERED MASONRY MORTARING

created via: HPDC Online Builder

PRODUCT DESCRIPTION: SPEC MIX® Polymer Modified Setting Bed Mortar (PMSBM) is specifically engineered as a thick mortar setting bed for natural and manufactured paving units. This pre-blended product contains a unique blend of polymers and other performance enhancing admixtures, allowing it to meet ANSI and ASTM requirements.

## Section 1: Summary

## Nested Method / Product Threshold

### CONTENT INVENTORY

#### Inventory Reporting Format

- Nested Materials Method
- Basic Method

#### Threshold Disclosed Per

- Material
- Product

#### Threshold level

- 100 ppm
- 1,000 ppm
- Per GHS SDS
- Per OSHA MSDS
- Other

#### Residuals/Impurities

Residuals/Impurities Considered in 3 of 3 Materials

#### Explanation(s) provided for Residuals/Impurities?

- Yes  No

Are All Substances Above the Threshold Indicated:

#### Characterized

Percent Weight and Role Provided?

- Yes  No

#### Screened

Using Priority Hazard Lists with Results Disclosed?

- Yes  No

#### Identified

Name and Identifier Provided?

- 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**

SPEC MIX® - SETTING BED MORTAR - POLYMER MODIFIED [ QUARTZ (MASON SAND - QUARTZ) **LT-1** | CAN ] PORTLAND CEMENT - CAS# 65997-15-1 [ TRICALCIUM SILICATE (TRICALCIUM SILICATE (CEMENT INGREDIENT)) **LT-UNK** DICALCIUM SILICATE (DICALCIUM SILICATE (PORTLAND CEMENT INGREDIENT)) **LT-UNK** CALCIUM ALUMINATE (CALCIUM ALUMINATE) **LT-UNK** LIMESTONE; CALCIUM CARBONATE **LT-UNK** GYPSUM (GYPSUM (CALCIUM SULFATE)) **LT-UNK** ] ACRYLIC POLYMER ADDITIVE

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 has been examined, based on the information from our suppliers, in order to identify chemicals which are listed as hazardous and above the 1000 ppm threshold. As there are ingredients which can cause health concerns via exposure, precautions, including but not limited to the wearing of proper PPE, like a NIOSH approved dust mask, work gloves and boots, safety goggles and protective clothing must be worn to limit exposure during handling, installation and or deconstruction of this product.

### VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

### CERTIFICATIONS AND COMPLIANCE *See Section 3 for*

*additional listings.*

*No certifications have been added to this HPD.*

### CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared  
VERIFIER:  
VERIFICATION #:

SCREENING DATE: 2018-03-14  
PUBLISHED DATE: 2018-03-14  
EXPIRY DATE: 2021-03-14

## 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)

### SPEC MIX® - SETTING BED MORTAR - POLYMER MODIFIED

#: 100.0000 - 100.0000

HPD URL:

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: SPEC MIX® Polymer Modified Setting Bed Mortar is a pre-blended product containing Portland Cement, Mason Sand and a Proprietary Blend of Polymer Admixtures. All of the components listed below are at or above the 1000 ppm threshold. This information is supplied by the manufacturers of these ingredients to the best of our knowledge.

OTHER MATERIAL NOTES: Proper care must be used during the handling and installation of this product including the use of PPE Equipment to prevent exposure.

### QUARTZ (MASON SAND - QUARTZ)

ID: 14808-60-7

#: 65.0000 - 80.0000

GS: LT-1

RC: None

NANO: No

ROLE: Aggregate

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

US CDC - Occupational Carcinogens

Occupational Carcinogen

CANCER

US NIH - Report on Carcinogens

Known to be Human Carcinogen (respirable size - occupational setting)

CANCER

MAK

Carcinogen Group 1 - Substances that cause cancer in man

CANCER

CA EPA - Prop 65

Carcinogen - specific to chemical form or exposure route

CANCER

IARC

Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources

CANCER

New Zealand - GHS

6.7A - Known or presumed human carcinogens

CANCER

Australia - GHS

H350 - May cause cancer

CANCER

Japan - GHS

Carcinogenicity - Category 1A

SUBSTANCE NOTES: As a natural mined material other trace amounts of minerals may be present in this component. However this would be below the threshold of 1000 parts per million. Testing is done to maintain the guidelines and requirements under ASTM C-144 Mason Sand.

### PORTLAND CEMENT - CAS# 65997-15-1

#: 20.0000 - 30.0000

HPD URL:

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Portland Cement is composed of a blend of limestone and other ingredients to create the finished product. As it is composed of natural mined materials, a slight variance in the chemical makeup may occur which is why there is a range of the listed components. However based on the list of components, this should not impact the threshold of the materials listed nor the overall effectiveness of the finished product as it is manufactured to meet the specifications and requirements of ASTM C-150 / AASHTO M 85.

OTHER MATERIAL NOTES: Portland Cement can cause significant bodily harm if it comes in contact with bare skin, eyes, throat and lungs. Proper PPE must be used when handling this product.

**TRICALCIUM SILICATE (TRICALCIUM SILICATE (CEMENT INGREDIENT))**

ID: **12168-85-3**

%: **10.0000 - 15.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **PORTLAND CEMENT - INGREDIENT**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: PORTLAND CEMENT INGREDIENT

**DICALCIUM SILICATE (DICALCIUM SILICATE (PORTLAND CEMENT INGREDIENT))**

ID: **10034-77-2**

%: **5.5000 - 7.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **PORTLAND CEMENT - INGREDIENT**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: PORTLAND CEMENT INGREDIENT

**CALCIUM ALUMINATE (CALCIUM ALUMINATE)**

ID: **12042-78-3**

%: **2.5000 - 4.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **PORTLAND CEMENT - INGREDIENT**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: Portland Cement Ingredient

**LIMESTONE; CALCIUM CARBONATE**

ID: **1317-65-3**

%: **1.5000 - 3.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **PORTLAND CEMENT - INGREDIENT**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: An ingredient of Portland Cement

#: <b>1.0000 - 2.5000</b>	GS: <b>LT-UNK</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>PORTLAND CEMENT - INGREDIENT</b>
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: An ingredient used in Portland Cement

**ACRYLIC POLYMER ADDITIVE**#: **0.1000 - 5.0000****HPD URL:**

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: This proprietary admixture was reviewed and there is no evidence of any materials which are at or above the 1000 ppm threshold

OTHER MATERIAL NOTES: Proprietary Polymer Admixture

**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.*

**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**

Residuals/Impurities were considered with tolerances that were at or greater than the 1000 ppm threshold. Please refer to the datasheet available at [www.specmix.com](http://www.specmix.com) or [www.packagepavement.com](http://www.packagepavement.com) for more information on the use of this product, preparation and safety precautions.

**Section 6: References**

# MANUFACTURER INFORMATION

MANUFACTURER: **Package Pavement - Spec Mix**  
ADDRESS: **675 LEETOWN ROAD**  
**P.O. Box 408**  
**Stormville New York 12582, United States**  
WEBSITE: **www.packagepavement.com**

CONTACT NAME: **John J Doherty**  
TITLE: **Vice President - Communications**  
PHONE: **8007248193**  
EMAIL: **jd@packagepavement.com**

## KEY

**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.*