

COARSE 3000 CORE-FILL GROUT by Package Pavement - Spec Mix ®

CLASSIFICATION: 04 05 16 (MASONRY GROUTING)

PRODUCT DESCRIPTION: SPEC MIX® COARSE 3000 CORE FILL GROUT IS USED TO FILL CELLS OF CONCRETE MASONRY UNITS AND HORIZONTAL BOND BEAMS AS WELL AS THE CAVITIES OF COMPOSITE MASONRY CONSTRUCTION THAT IS LARGER THAN 2" WIDE. OUR COARSE 3000 GROUT, SOLD UNDER THE SPEC MIX AND PACKAGE PAVEMENT BRANDS, IS A DRY, PRE-BLENDED PRODUCT CONTAINING PORTLAND CEMENT AND DRIED AGGREGATES FORMULATED FOR SUPERIOR FLOW TO FILL MASONRY VOIDS AND PROVIDE OPTIMAL COMPRESSIVE STRENGTH WHILE MEETING ASTM C-476 PROPERTY REQUIREMENTS FOR REINFORCED MASONRY CONSTRUCTION (ASTM C-476 SECTION 4.2.1.2).

Section 1: Summary

CONTENT INVENTORY

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

- Residuals and impurities considered in 0 of 2 materials
- see Section 2: Material Notes
 - see Section 5: General Notes

Based on the selected Content Inventory Threshold:

Characterized.....	<input checked="" type="radio"/>	<input type="radio"/>
Are the Percent Weight and Role provided for all substances?	Yes	No
Screened.....	<input checked="" type="radio"/>	<input type="radio"/>
Are all substances screened using Priority Hazard Lists with results disclosed?	Yes	No
Identified.....	<input checked="" type="radio"/>	<input type="radio"/>
Are all substances disclosed by Name (Specific or Generic) and Identifier?	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.

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:

The cement binder used in this product is deconstructed to list the raw materials used for producing Portland Cement as a composite mixture. Please note that the BM-1 warning that is applied to Quartz Sand & Crushed Gravel used in this ASTM C476 specified grout mix, applies to this product in its dry form when handled, mixed with water for placement or aggravated during demolition (including but not limited to, cutting, drilling, chipping, crushing or milling). Once the grout has cured in place the primary risk of silica dust is diffused, as is the case with quartz countertops and glass windows.

MATERIAL | SUBSTANCE | RESIDUAL OR IMPURITY
GREENSCREEN SCORE | HAZARD TYPE

COARSE 3000 CORE-FILL GROUT [QUARTZ **LT-1** | CAN CRUSHED STONE **NoGS**] GRAY PORTLAND CEMENT - TYPE I/II (CAS# 65997-15-1) [TRICALCIUM SILICATE **LT-UNK** DICALCIUM SILICATE **LT-UNK** CALCIUM ALUMINATE **LT-UNK** LIMESTONE; CALCIUM CARBONATE **LT-UNK** GYPSUM **LT-UNK**]

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE

No certifications have been added to this HPD.

<input checked="" type="radio"/> Self-Published*	VERIFIER:	SCREENING DATE: May 24, 2017	EXPIRY DATE*: May 24, 2020
<input type="radio"/> Third Party Verified	VERIFICATION #:	RELEASE DATE: May 24, 2017	* or within 3 months of significant change in product contents
*See HPDC website for details			



Section 2: Content in Descending Order of Quantity

This section lists materials in a product and the substances in each material based on the Inventory Threshold for each material. If residuals or impurities from the manufacturing or extraction processes are considered for a material, these are inventoried and characterized to the extent described in the Material and/or General Notes. Chemical substances are screened against the HPD Priority Hazard Lists for human and environmental health impacts. Screening is based on best available information; "Not Found" does not necessarily mean there is no potential hazard associated with the product or its contents. More information about Priority Hazard Lists and the GreenScreen can be found online: www.hpd-collaborative.org and www.greenscreenchemicals.org.

COARSE 3000 CORE-FILL GROUT

HPD URL: %: 100.0000 - 100.0000

Inventory Threshold: 1000 ppm

Residuals Considered: No

Material Notes: Pre-Blended Grout Mixture Composed of Coarse and Fine Aggregate and Portland Cement.

QUARTZ

ID: 14808-60-7

%: 45.0000 - 55.0000

GS: LT-1

RC: None

NANO: NO

ROLE: Aggregate

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

US CDC - Occupational Carcinogens

Occupational Carcinogen

CANCER

CA EPA - Prop 65

Carcinogen - specific to chemical form or exposure route

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

IARC

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

CANCER

New Zealand - GHS

6.7A - Known or presumed human carcinogens

SUBSTANCE NOTES: As Concrete Sand Compliant with C404 - Coarse Aggregates Specification. SUBSTANCE NOTES: Risk is associated with dust exposure during mixing of the dry product. There is no evidence of risk once the product is activated with water and cured in place.

CRUSHED STONE

ID:

%: 25.0000 - 31.0000

GS: NoGS

RC: None

NANO: NO

ROLE: Aggregate

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: As Crushed Gravel Compliant with C404 - Coarse Aggregates Specification. Contains Crystalline Silica 14808-60-7

GRAY PORTLAND CEMENT - TYPE I/II (CAS# 65997-15-1) %: 20.0000 - 25.0000 HPD URL:

Inventory Threshold: 1000 ppm

Residuals Considered: No

Material Notes: Portland Cement - Composite of Ingredients Listed Below

TRICALCIUM SILICATE

ID: 12168-85-3

%: 8.9000 - 11.1000 GS: LT-UNK RC: None NANO: NO ROLE: Cement - Raw Material

HAZARDS:**AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

DICALCIUM SILICATE

ID: 10034-77-2

%: 3.8000 - 4.7000 GS: LT-UNK RC: None NANO: NO ROLE: Cement - Raw Material

HAZARDS:**AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

CALCIUM ALUMINATE

ID: 12042-78-3

%: 2.0000 - 3.0000 GS: LT-UNK RC: None NANO: NO ROLE: Cement - Raw Material

HAZARDS:**AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

LIMESTONE; CALCIUM CARBONATE

ID: 1317-65-3

%: 1.5000 - 2.5000 GS: LT-UNK RC: None NANO: NO ROLE: Cement - Raw Material

HAZARDS:**AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

GYPSUM

ID: 13397-24-5

%: 0.7500 - 1.7000 GS: LT-UNK RC: None NANO: NO ROLE: Cement - Raw Material

HAZARDS:**AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:**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.

**Section 5: General Notes**

This product is crafted to meet or exceed the specifications of ASTM C476 when mixed and used in accordance with industry standards and practices. Prior to use, the user must be made aware of the risks of silica dust, and the chemical risks associated with exposure of Portland cement which can cause serious damage to skin, eyes and lungs. Proper safety gear must be used, including waterproof safety gloves and work boots, an ANSI approved dust mask and eye protection and long sleeve shirt to avoid exposure.



MANUFACTURER INFORMATION

MANUFACTURER: Package Pavement - Spec Mix

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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

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

GreenScreen (GS)

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

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

- Nano Composed of nanoscale particles or nanotechnology

Declaration Level

- Self-declared Manufacturer's self-declaration (First Party)
Independent Lab Manufacturer's self-declaration using results from an independent lab
Second Party Verification by trade association or other interested party
Third Party Verification by independent certifier
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 does not provide an assessment of health impacts throughout the product life cycle. It does not provide an assessment of exposure or risk associated with product handling or use. It also does not address potential health impacts of: (i) substances used or created during the manufacturing process unless they remain in the final product, or (ii) substances created after the product is delivered for end use (e.g., if the product burns, degrades, or otherwise changes chemical composition).

The HPD Open Standard was created and is maintained and evolved by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry. The HPD Collaborative is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.

A disclosure completed in compliance with the HPD Open Standard is referred to as a "Health Product Declaration," or "HPD." 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 Open Standard noted.