

HPD UNIQUE IDENTIFIER: 23279

CLASSIFICATION: 09 24 00 Cement Plastering

**PRODUCT DESCRIPTION:** Pyrok Acoustement 40 is a nominal 41 PCF (air-dried density) Portland cement/exfoliated vermiculite spray-applied formulation, which is 100% free from asbestos, mineral fibers, and polystyrene. Pyrok Acoustement 40 is highly abuse resistant (impact, abrasion, moisture, hostile industrial environments), has excellent adhesion to a variety of substrates, and allows substrates to breathe and be cleaned by a variety of methods. This material is recommended for exterior exposures where resistance to environmental pollution, rain, corrosion, and spalling is required. Acoustement 40 may also be used in interior exposures such as transportation facilities, correctional projects, lobbies, tunnels, gymnasiums, manufacturing facilities, contact wall areas, and any other area requiring high abuse resistance and sound absorption qualities. It can also be used on interior surfaces of walkways, hallways, and rooms where a purely decorative finish is desired. Pyrok Acoustement 40 may also be used on ceilings as a combination acoustical finish and fireproofing material. Custom integral coloration is available within the limits of iron oxide pigmentation. Also includes CSI MasterFormat 09 24 13 Acoustical Cement Plastering.

**Section 1: Summary**

**Nested Method / Material Threshold**

**CONTENT INVENTORY**

|  |  |  |   |
|--|--|--|---|
| <p><b>Inventory Reporting Format</b></p> <p><input checked="" type="radio"/> Nested Materials Method</p> <p><input type="radio"/> Basic Method</p> <p><b>Threshold Disclosed Per</b></p> <p><input checked="" type="radio"/> Material</p> <p><input type="radio"/> Product</p> | <p><b>Threshold level</b></p> <p><input type="radio"/> 100 ppm</p> <p><input checked="" type="radio"/> 1,000 ppm</p> <p><input type="radio"/> Per GHS SDS</p> <p><input type="radio"/> Other</p> | <p><b>Residuals/Impurities</b></p> <p>Residuals/Impurities Considered in 1 of 1 Materials</p> <p><b>Explanation(s) provided for Residuals/Impurities?</b></p> <p><input checked="" type="radio"/> Yes <input type="radio"/> No</p> | <p><i>All Substances Above the Threshold Indicated Are:</i></p> <p><b>Characterized</b> <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p><i>% weight and role provided for all substances.</i></p> <p><b>Screened</b> <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p><i>All substances screened using Priority Hazard Lists with results disclosed.</i></p> <p><b>Identified</b> <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p><i>All substances disclosed by Name (Specific or Generic) and Identifier.</i></p> |
|--|--|--|---|

**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**

**ACOUSTEMENT 40** [ **PORTLAND CEMENT** LT-P1 | END | CAN  
**VERMICULITE** NoGS **CALCIUM MAGNESIUM HYDROXIDE** NoGS  
**CALCIUM HYDROXIDE** LT-P1 **QUARTZ** LT-1 | CAN  
**BENZENESULFONIC ACID, MONO-C10-16-ALKYL DERIVS., SODIUM SALTS** LT-UNK **HYDROXYPROPYL METHYLCELLULOSE** 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:**

This Health Product Declaration (HPD) was completed in accordance with the HPD Standard version 2.2, and discloses hazards associated with all substances present at or above 1000 parts per million (ppm) in the finished product, along with the role and percent weight.

**VOLATILE ORGANIC COMPOUND (VOC) CONTENT**

Material (g/l): 2 g/l      Regulatory (g/l): <5 g/l  
Does the product contain exempt VOCs: No  
Are ultra-low VOC tints available: N/A

**CERTIFICATIONS AND COMPLIANCE** See Section 3 for additional listings.

VOC emissions: CDPH Standard Method – Not tested  
VOC content: EPA Method 24 - Volatile Matter Content (EPA 24)

**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: 2020-12-30

PUBLISHED DATE: 2020-12-30

EXPIRY DATE: 2023-12-30

## 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)

### ACOUSTEMENT 40

#: 100.0000 - 100.0000

MATERIAL THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes MATERIAL TYPE: Geologically Derived Material

RESIDUALS AND IMPURITIES NOTES: Residuals or impurities known or expected to be present at or above the Content Inventory Threshold indicated that return a GS score of BM-1, LT-1, LT-P1 or NoGS have been disclosed based on information provided in supplier disclosures and as predicted by process chemistry (Pharos CML).

OTHER MATERIAL NOTES: Percent by weight of substances reported as range in order to protect the proprietary nature of this formulation.

### PORTLAND CEMENT

ID: 65997-15-1

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2020-12-30

#: 40.0000 - 45.0000 GS: LT-P1 RC: None NANO: No SUBSTANCE ROLE: Binder

| HAZARD TYPE | AGENCY AND LIST TITLES                | WARNINGS   |
|-------------|---------------------------------------|--|
| END         | TEDX - Potential Endocrine Disruptors | Potential Endocrine Disruptor  |
| CAN         | MAK                                   | Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification |

SUBSTANCE NOTES: Mill Test Certificate Report for "White Cement" per ASTM C150 and AASHTO M85: Calcium Oxide (1305-78-8; LT-P1), 66%; Silicon Dioxide (7631-86-9; BM-1), 21.8%; Aluminum Oxide (1344-28-1; BM-2), 3.9%; Iron III Oxide (1309-37-1; BM-1), 0.4%; Sulfur Trioxide (7446-11-9; LT-P1), 2.8%; Magnesium Oxide (1309-48-4; LT-UNK), 1.8%. Pharos CML also includes Aluminum calcium iron oxide [12068- 35-8; NoGS] as a "Known or Potential Residual" of Portland Cement (Component; Frequent; Unknown %).

### VERMICULITE

ID: 1318-00-9

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2020-12-30

#: 30.0000 - 35.0000 GS: NoGS RC: None NANO: No SUBSTANCE ROLE: Filler

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

SUBSTANCE NOTES: Supplier confirms that substance is 100% free from asbestos.

### CALCIUM MAGNESIUM HYDROXIDE

ID: 39445-23-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2020-12-30

#: 15.0000 - 25.0000 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 |

**CALCIUM HYDROXIDE**

ID: 1305-62-0

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-12-30**%: **5.0000 - 15.0000** GS: **LT-P1** 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: Identified on the US EPA Safer Chemical Ingredient List (Green Circle - Verified Low Concern).

**QUARTZ**

ID: 14808-60-7

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-12-30**%: **Impurity/Residual** GS: **LT-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Impurity/Residual**

| HAZARD TYPE | AGENCY AND LIST TITLES            | WARNINGS  |
|-------------|-----------------------------------|---|
| CAN         | IARC                              | Group 1 - Agent is Carcinogenic to humans                                     |
| CAN         | US CDC - Occupational Carcinogens | Occupational Carcinogen   |
| CAN         | CA EPA - Prop 65                  | Carcinogen - specific to chemical form or exposure route                      |
| CAN         | IARC                              | Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources |
| CAN         | US NIH - Report on Carcinogens    | Known to be Human Carcinogen (respirable size - occupational setting)         |
| CAN         | MAK                               | Carcinogen Group 1 - Substances that cause cancer in man                      |
| CAN         | GHS - New Zealand                 | 6.7A - Known or presumed human carcinogens                                    |
| CAN         | GHS - Japan                       | Carcinogenicity - Category 1A [H350]  |
| CAN         | GHS - Australia                   | H350i - May cause cancer by inhalation  |

SUBSTANCE NOTES: Potential Impurity of various geological materials, as per supplier disclosures and based on process chemistry (Pharos CML). Quartz is one of several compounds with warnings restricted to respirable forms (Silica, crystalline - airborne particles of respirable size). Specific guidelines have been created to address known issues related to transparency and disclosure for several materials ("Special Conditions"), including those with Form-Specific Hazards such as Quartz; however, this function is not yet available in the HPD Builder.

**BENZENESULFONIC ACID, MONO-C10-16-ALKYL DERIVS., SODIUM SALTS**

ID: 68081-81-2

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-12-30**%: **0.1000 - 1.0000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Surfactant**

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

SUBSTANCE NOTES: Identified on the US EPA Safer Chemical Ingredient List (Green Circle - Verified Low Concern).

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-12-30**

%: **0.1000 - 1.0000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Viscosity modifier**

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

SUBSTANCE NOTES: Identified on the US EPA Safer Chemical Ingredient List (Green Circle - Verified Low Concern).

## 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 – Not tested |              |                       |
|-------------------------------------|-----------------------------------|--------------|-----------------------|
| CERTIFYING PARTY: Self-declared     | ISSUE DATE: 2020-12-              | EXPIRY DATE: | CERTIFIER OR LAB: N/A |
| APPLICABLE FACILITIES: N/A          | 29                                |              |                       |
| CERTIFICATE URL:                    |                                   |              |                       |
| CERTIFICATION AND COMPLIANCE NOTES: |                                   |              |                       |

  

| VOC CONTENT                         | EPA Method 24 - Volatile Matter Content (EPA 24)   |              |                        |
|-------------------------------------|--|--------------|------------------------|
| CERTIFYING PARTY: Self-declared     | ISSUE DATE: 2017-05-   | EXPIRY DATE: | CERTIFIER OR LAB: VTEC |
| APPLICABLE FACILITIES: All          | 24   |              | Laboratories, Inc.     |
| CERTIFICATE URL:                    |  |              |                        |
| CERTIFICATION AND COMPLIANCE NOTES: | SCOPE: Determination of VOC Content in submitted Sample materials according to EPA Method-24   |              |                        |
|                                     | Protocols with LOD @ 110oC for TOTAL Volatiles and K-F moisture analysis to subtract to determine Total Volatile Organic compounds (VOCs). |              |                        |
|                                     | Total VOC Content: 0.17% (~2 g/L).   |              |                        |

## 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

Pyrok, Inc. recommends application of Pyrok Acoustement 40 be performed only by approved Pyrok applicators. An approved applicator list is available from Pyrok, Inc. Pyrok Acoustement 40 may be applied directly to clean, bare steel, clean galvanized steel or a wide variety of unpainted concrete, cement board and other clean, sound substrates. Some substrates will require metal lath. Contact Pyrok, Inc. for verification of compatibility with substrate, suitability of primer and potential requirement of expanded metal lath.

**MANUFACTURER INFORMATION**

MANUFACTURER: **Pyrok, Inc.**  
 ADDRESS: **121 Sunset Road**  
**Mamaroneck NY 10543, USA**  
 WEBSITE: **www.acoustement.com**

CONTACT NAME: **Howard Podolsky**  
 TITLE: **Owner**  
 PHONE: **914-777-7070**  
 EMAIL: **howard@pyrok.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>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)      | <b>NoGS</b> 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.*