

HPD UNIQUE IDENTIFIER: 32533

CLASSIFICATION: 09 32 00 Mortar-Bed Tiling

PRODUCT DESCRIPTION: This HPD includes the following Polymer-Modified Mortars: PRO FLEX®, PRO FLEX® SF, PRO FLEX® LFT - GREY. The HPD also includes the Dry-Set Mortar PRO BOND™. Products are described in HPD Section 5: General Notes.

Section 1: Summary

Nested Method / Product 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 type="radio"/> Material</p> <p><input checked="" 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 Evaluation</b></p> <p>Completed in 12 of 12 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>For all contents above the threshold, the manufacturer has:</i></p> <p><b>Characterized</b> <input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p><i>Provided weight and role.</i></p> <p><b>Screened</b> <input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p><i>Provided screening results using HPDC-approved methods.</i></p> <p><b>Identified</b> <input type="radio"/> Yes <input checked="" type="radio"/> No</p> <p><i>Provided name and CAS RN or other identifier.</i></p>
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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**

**FILLER [ SAND ] BINDER [ PORTLAND CEMENT LT-P1 ] CAN | END | MAM CALCIUM OXIDE BM-2 ] SKI | MAM | EYE QUARTZ BM-1 ] CAN | MAM | GEN ] POLYMER A [ UNDISCLOSED LT-UNK ] MUL | UNDISCLOSED LT-UNK ] MUL UNDISCLOSED LT-UNK ] CAN | | MUL UNDISCLOSED LT-UNK ] MUL | ] ACCELERATOR [ UNDISCLOSED LT-UNK ] MUL | EYE | MAM ] RHEOLOGY MODIFIER A [ CELLULOSE, 2-HYDROXYETHYL METHYL ETHER BM-2 ] RHEOLOGY MODIFIER E [ UNDISCLOSED NoGS ]**

Number of Greenscreen BM-4/BM3 contents ... 0

Contents highest-concern GreenScreen score(s) (BM-1, LT-1, LT-P1) ... LT-P1, BM-1

Nanomaterial ... No

**INVENTORY AND SCREENING NOTES:**

Special Conditions applied: [GeologicalMaterial]

HPD prepared using a Nested Materials Inventory with a product threshold at 1,000 ppm. Substances present in the product, as well as known residuals and impurities, have been disclosed at 1,000 ppm. More details about how residuals and impurities are available in the appropriate sections. Substances are not all identified because some are proprietary.

**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 - Not tested

**CONSISTENCY WITH OTHER PROGRAMS**

Pre-checked for LEED v4 Option 1.

Pre-checked for LEED v4.1 Option 1.

Third Party Verified?

- Yes
- No

PREPARER: Vertima

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2023-04-26

PUBLISHED DATE: 2023-04-26

EXPIRY DATE: 2026-04-26

## 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](http://www.hpd-collaborative.org/hpd-2-3-standard)

### FILLER %: 50.0000 - 70.0000

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

RESIDUALS AND IMPURITIES NOTES: There are no residuals or impurities at or above the declaration threshold.

OTHER MATERIAL NOTES: Ranges are used to protect product exact recipe.

### SAND ID: Geological Material

HAZARD DATA SOURCE: [HPDC Special Conditions Policy](#)

%: 100.0000 GreenScreen: Not Required RC: None NANO: No MATERIAL ROLE: Filler

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
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Hazard Screening is not applicable to this Special Condition

INGREDIENT DESCRIPTION AND COMPOSITION: Natural sand

COUNTRY OF ORIGIN: Canada

RADIOACTIVE ELEMENTS: According to supplier provided information and/or internal testing, it is determined that no radioactive elements are found in this material.

POTENTIAL PRESENCE OF TOXIC METALS: According to supplier provided information and/or internal testing, it is determined that no toxic metals are found in this material.

MATERIAL CONTENT NOTES:

### BINDER %: 30.0000 - 50.0000

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

RESIDUALS AND IMPURITIES NOTES: Residuals or impurities may be present at or above the declaration threshold; therefore, they are listed in the substance list.

OTHER MATERIAL NOTES: Ranges are used to protect product exact recipe.

### PORTLAND CEMENT ID: 65997-15-1

HAZARD DATA SOURCE: [Pharos Chemical and Materials Library](#) HAZARD SCREENING DATE: 2023-04-26 5:48:24

%: 100.0000 GreenScreen: LT-P1 RC: None NANO: No SUBSTANCE ROLE: Binder

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
CAN	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification
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]
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists
SUBSTANCE NOTES:		

### CALCIUM OXIDE

ID: 1305-78-8

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> HAZARD SCREENING DATE: <b>2023-04-26 5:48:25</b>		
%: <b>Impurity/Residual</b>	GreenScreen: <b>BM-2</b>	RC: <b>None</b> NANO: <b>No</b> SUBSTANCE ROLE: <b>Impurity/Residual</b>
HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
SKI	GHS - Australia	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]
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]
SKI	GHS - New Zealand	Skin corrosion category 1C
EYE	GHS - New Zealand	Serious eye damage category 1
EYE	GHS - Japan	H318 - Causes serious eye damage [Serious eye damage / eye irritation - Category 1]
SKI	GHS - Japan	H315 - Causes skin irritation [Skin corrosion / irritation - Category 2]
EYE	GHS - Australia	H318 - Causes serious eye damage [Serious eye damage/eye irritation - Category 1]
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Green Science Policy Institute (GSPI)	GSPI - Six Classes of Problematic Chemicals  Antimicrobials
SUBSTANCE NOTES:		

### QUARTZ

ID: 14808-60-7

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> HAZARD SCREENING DATE: <b>2023-04-26 5:48:25</b>		
%: <b>Impurity/Residual</b>	GreenScreen: <b>BM-1</b>	RC: <b>None</b> NANO: <b>No</b> SUBSTANCE ROLE: <b>Impurity/Residual</b>

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
CAN	US CDC - Occupational Carcinogens	Occupational Carcinogen
CAN	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
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	IARC	Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources
CAN	IARC	Group 1 - Agent is Carcinogenic to humans
CAN	US NIH - Report on Carcinogens	Known to be a human Carcinogen
CAN	GHS - Japan	H350 - May cause cancer [Carcinogenicity - Category 1A]
CAN	GHS - Australia	H350i - May cause cancer by inhalation [Carcinogenicity - Category 1A or 1B]
CAN	GHS - New Zealand	Carcinogenicity category 1
MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]
GEN	GHS - Japan	H341 - Suspected of causing genetic defects [Germ cell mutagenicity - Category 2]
MAM	GHS - Australia	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1]
MAM	GHS - New Zealand	Specific target organ toxicity - repeated exposure category 1
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES:

**POLYMER A**

#: 0.0000 - 5.0000

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

RESIDUALS AND IMPURITIES NOTES: There are no residuals or impurities at or above the declaration threshold.

OTHER MATERIAL NOTES: Ranges are used to protect product exact recipe.

**UNDISCLOSED**

ID: **Undisclosed**

HAZARD DATA SOURCE: **Toxnot Chemical Hazard Screening Library** HAZARD SCREENING DATE: **2023-02-21 11:45:35**

#: **70.0000 - 100.0000** GreenScreen: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Polymer species**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
MUL	German FEA - Substances Hazardous to Waters	Mult*
	EC - CEPA DSL	Persistence
MUL	EC - CEPA DSL	Mult*
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: Ranges are used to protect product exact recipe. Furthermore, this substance is undisclosed as it is proprietary.

**UNDISCLOSED**

ID: **Undisclosed**

HAZARD DATA SOURCE: <b>Toxnot Chemical Hazard Screening Library</b>		HAZARD SCREENING DATE: <b>2023-02-21 11:45:36</b>		
%: <b>0.0000 - 15.0000</b>	GreenScreen: <b>LT-UNK</b>	RC: <b>None</b>	NANO: <b>No</b>	SUBSTANCE ROLE: <b>Carrier</b>
HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS		
MUL	Quebec CSST - WHMIS 1988	Mult*		
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION		
None found		No listings found on Additional Hazard Lists		

SUBSTANCE NOTES: Ranges are used to protect product exact recipe. Furthermore, this substance is undisclosed as it is proprietary.

**UNDISCLOSED**

ID: **Undisclosed**

HAZARD DATA SOURCE: <b>Toxnot Chemical Hazard Screening Library</b>		HAZARD SCREENING DATE: <b>2023-02-21 11:45:39</b>		
%: <b>0.0000 - 15.0000</b>	GreenScreen: <b>LT-UNK</b>	RC: <b>None</b>	NANO: <b>No</b>	SUBSTANCE ROLE: <b>Carrier</b>
HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS		
CAN	MAK	Carcinogenicity		
	EC - CEPA DSL	Persistence		
MUL	Quebec CSST - WHMIS 1988	Mult*		
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION		
None found		No listings found on Additional Hazard Lists		

SUBSTANCE NOTES: Ranges are used to protect product exact recipe. Furthermore, this substance is undisclosed as it is proprietary.

**UNDISCLOSED**

ID: **Undisclosed**

HAZARD DATA SOURCE: <b>Toxnot Chemical Hazard Screening Library</b>		HAZARD SCREENING DATE: <b>2023-02-21 11:45:37</b>		
%: <b>5.0000 - 10.0000</b>	GreenScreen: <b>LT-UNK</b>	RC: <b>None</b>	NANO: <b>No</b>	SUBSTANCE ROLE: <b>Adhesive</b>



HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2023-04-26 5:48:24**%: **92.0000 - 100.0000** GreenScreen: **BM-2** RC: **None** NANO: **No** SUBSTANCE ROLE: **Viscosity modifier**

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: Ranges are used to protect product exact recipe.

**RHEOLOGY MODIFIER E** %: **0.0000 - 0.5000**PRODUCT THRESHOLD: **1000 ppm** RESIDUALS AND IMPURITIES EVALUATION COMPLETED: **Yes** MATERIAL TYPE: **Other Biological Material**

RESIDUALS AND IMPURITIES NOTES: There are no residuals or impurities at or above the declaration threshold.

OTHER MATERIAL NOTES: Ranges are used to protect product exact recipe. A generic material name is used for proprietary reasons.

**UNDISCLOSED**ID: **Undisclosed**HAZARD DATA SOURCE: **Toxnot Chemical Hazard Screening Library** HAZARD SCREENING DATE: **2023-02-21 11:45:57**%: **99.0000 - 100.0000** GreenScreen: **NoGS** RC: **None** NANO: **No** SUBSTANCE ROLE: **Viscosity modifier**

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: Ranges are used to protect product exact recipe. Furthermore, this substance is undisclosed as it is proprietary.

**POLYMER B** %: **0.0000 - 5.0000 ALTERNATE**PRODUCT THRESHOLD: **1000 ppm** RESIDUALS AND IMPURITIES EVALUATION COMPLETED: **Yes** MATERIAL TYPE: **Polymeric Material**

RESIDUALS AND IMPURITIES NOTES: There are no residuals or impurities at or above the declaration threshold.

OTHER MATERIAL NOTES: Ranges are used to protect product exact recipe.

ALTERNATE: This nested material is an alternate nested material to polymer A.

**UNDISCLOSED**ID: **Undisclosed**HAZARD DATA SOURCE: **Toxnot Chemical Hazard Screening Library** HAZARD SCREENING DATE: **2023-02-21 11:45:25**

%: 40.0000 - 60.0000 GreenScreen: LT-UNK RC: None NANO: No SUBSTANCE ROLE: Polymer species

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
	EC - CEPA DSL	Persistence
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: Ranges are used to protect product exact recipe. Furthermore, this substance is undisclosed as it is proprietary.

**UNDISCLOSED**

ID: **Undisclosed**

HAZARD DATA SOURCE: **Toxnot Chemical Hazard Screening Library** HAZARD SCREENING DATE: **2023-02-21 11:45:26**

%: 10.0000 - 30.0000 ALT GreenScreen: LT-UNK RC: None NANO: No SUBSTANCE ROLE: Polymer species

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
CAN	IARC	Carcinogenicity
	EC - CEPA DSL	Persistence
MUL	EC - CEPA DSL	Mult*
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: Ranges are used to protect product exact recipe. Furthermore, this substance is undisclosed as it is proprietary.

ALTERNATE: This substance is an alternate substance to Undisclosed.

**UNDISCLOSED**

ID: **Undisclosed**

HAZARD DATA SOURCE: **Toxnot Chemical Hazard Screening Library** HAZARD SCREENING DATE: **2023-02-21 11:45:27**

%: 10.0000 - 20.0000 ALT GreenScreen: LT-UNK RC: None NANO: No SUBSTANCE ROLE: Filler

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: Ranges are used to protect product exact recipe. Furthermore, this substance is undisclosed as it is proprietary.

ALTERNATE: This substance is an alternate substance to Undisclosed.

**UNDISCLOSED**

ID: **Undisclosed**

HAZARD DATA SOURCE: **Toxnot Chemical Hazard Screening Library** HAZARD SCREENING DATE: **2023-02-21 11:45:28**

%: 1.0000 - 10.0000 ALT GreenScreen: LT-UNK RC: None NANO: No SUBSTANCE ROLE: Stabilizer



HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
MUL	German FEA - Substances Hazardous to Waters	Mult*
	EC - CEPA DSL	Persistence
MUL	EC - CEPA DSL	Mult*
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: Ranges are used to protect product exact recipe. Furthermore, this substance is undisclosed as it is proprietary.

ALTERNATE: This substance is an alternate substance to Undisclosed.

### POLYMER C

%: 0.0000 - 5.0000 ALTERNATE

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

RESIDUALS AND IMPURITIES NOTES: There are no residuals or impurities at or above the declaration threshold.

OTHER MATERIAL NOTES: Ranges are used to protect product exact recipe.

ALTERNATE: This nested material is an alternate nested material to polymer A.

### UNDISCLOSED

ID: Undisclosed

HAZARD DATA SOURCE: Toxnot Chemical Hazard Screening Library HAZARD SCREENING DATE: 2023-02-21 11:45:30

%: 60.0000 - 80.0000 GreenScreen: LT-UNK RC: None NANO: No SUBSTANCE ROLE: Polymer species

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
MUL	German FEA - Substances Hazardous to Waters	Mult*
	EC - CEPA DSL	Persistence
MUL	EC - CEPA DSL	Mult*
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: Ranges are used to protect product exact recipe. Furthermore, this substance is undisclosed as it is proprietary.

### UNDISCLOSED

ID: Undisclosed

HAZARD DATA SOURCE: Toxnot Chemical Hazard Screening Library HAZARD SCREENING DATE: 2023-02-21 11:45:32

%: 10.0000 - 30.0000 ALT GreenScreen: LT-UNK RC: None NANO: No SUBSTANCE ROLE: Filler

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: Ranges are used to protect product exact recipe. Furthermore, this substance is undisclosed as it is proprietary.

ALTERNATE: This substance is an alternate substance to Undisclosed.

**UNDISCLOSED**

ID: **Undisclosed**

HAZARD DATA SOURCE: **Toxnot Chemical Hazard Screening Library** HAZARD SCREENING DATE: **2023-02-21 11:45:33**

%: **1.0000 - 10.0000 ALT** GreenScreen: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Stabilizer**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
MUL	German FEA - Substances Hazardous to Waters	Mult*
	EC - CEPA DSL	Persistence
MUL	EC - CEPA DSL	Mult*

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: Ranges are used to protect product exact recipe. Furthermore, this substance is undisclosed as it is proprietary.

ALTERNATE: This substance is an alternate substance to Undisclosed.

**RHEOLOGY MODIFIER B**

%: **0.0000 - 0.5000 ALTERNATE**

PRODUCT THRESHOLD: **1000 ppm** RESIDUALS AND IMPURITIES EVALUATION COMPLETED: **Yes** MATERIAL TYPE: **Polymeric Material**

RESIDUALS AND IMPURITIES NOTES: There are no residuals or impurities at or above the declaration threshold.

OTHER MATERIAL NOTES: Ranges are used to protect product exact recipe. A generic material name is used for proprietary reasons.

ALTERNATE: This nested material is an alternate nested material to rheology modifier A.

**CELLULOSE, 2-HYDROXYETHYL METHYL ETHER**

ID: **9032-42-2**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2023-04-26 5:48:25**

%: **92.0000 - 100.0000** GreenScreen: **BM-2** RC: **None** NANO: **No** SUBSTANCE ROLE: **Viscosity modifier**

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: Ranges are used to protect product exact recipe.

**RHEOLOGY MODIFIER C**

%: 0.0000 - 0.5000 ALTERNATE

PRODUCT THRESHOLD: 1000 ppm      RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes      MATERIAL TYPE: Other Biological Material

RESIDUALS AND IMPURITIES NOTES: There are no residuals or impurities at or above the declaration threshold.

OTHER MATERIAL NOTES: Ranges are used to protect product exact recipe. A generic material name is used for proprietary reasons.

ALTERNATE: This nested material is an alternate nested material to rheology modifier A.

**UNDISCLOSED**ID: **Undisclosed**

HAZARD DATA SOURCE: **Toxnot Chemical Hazard Screening Library**      HAZARD SCREENING DATE: **2023-02-21 11:45:46**

%: **100.0000**      GreenScreen: **LT-UNK**      RC: **None**      NANO: **No**      SUBSTANCE ROLE: **Viscosity modifier**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
RES	AOEC - Asthmagens	Respiratory Sensitization
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: This substance is undisclosed as it is proprietary.

**RHEOLOGY MODIFIER D**

%: 0.0000 - 0.5000 ALTERNATE

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

RESIDUALS AND IMPURITIES NOTES: There are no residuals or impurities at or above the declaration threshold.

OTHER MATERIAL NOTES: Ranges are used to protect product exact recipe. A generic material name is used for proprietary reasons.

ALTERNATE: This nested material is an alternate nested material to rheology modifier A.

**CELLULOSE, 2-HYDROXYETHYL METHYL ETHER**ID: **9032-42-2**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**      HAZARD SCREENING DATE: **2023-04-26 5:48:26**

%: **92.0000 - 100.0000**      GreenScreen: **BM-2**      RC: **None**      NANO: **No**      SUBSTANCE ROLE: **Viscosity modifier**

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: Ranges are used to protect product exact recipe.

**RHEOLOGY MODIFIER F**

%: 0.0000 - 0.5000 ALTERNATE

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

RESIDUALS AND IMPURITIES NOTES: There are no residuals or impurities at or above the declaration threshold.

OTHER MATERIAL NOTES: Ranges are used to protect product exact recipe. A generic material name is used for proprietary reasons.

ALTERNATE: This nested material is an alternate nested material to rheology modifier E.

**UNDISCLOSED**

ID: **Undisclosed**

HAZARD DATA SOURCE: **Toxnot Chemical Hazard Screening Library** HAZARD SCREENING DATE: **2023-02-21 11:45:50**

%: **70.0000 - 85.0000** GreenScreen: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Polymer species**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
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MUL	German FEA - Substances Hazardous to Waters	Mult*
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ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
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None found		No listings found on Additional Hazard Lists
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SUBSTANCE NOTES: Ranges are used to protect product exact recipe. Furthermore, this substance is undisclosed as it is proprietary.

**UNDISCLOSED**

ID: **Undisclosed**

HAZARD DATA SOURCE: **Toxnot Chemical Hazard Screening Library** HAZARD SCREENING DATE: **2023-02-21 11:45:53**

%: **2.0000 - 20.0000 ALT** GreenScreen: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Polymer species**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
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MUL	German FEA - Substances Hazardous to Waters	Mult*
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	EC - CEPA DSL	Persistence
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MUL	EC - CEPA DSL	Mult*
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ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
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None found		No listings found on Additional Hazard Lists
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SUBSTANCE NOTES: Ranges are used to protect product exact recipe. Furthermore, this substance is undisclosed as it is proprietary.

ALTERNATE: This substance is an alternate substance to Undisclosed.

**UNDISCLOSED**

ID: **Undisclosed**

HAZARD DATA SOURCE: **Toxnot Chemical Hazard Screening Library** HAZARD SCREENING DATE: **2023-02-21 11:45:51**

%: **2.0000 - 20.0000 ALT** GreenScreen: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Polymer species**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
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MUL	German FEA - Substances Hazardous to Waters	Mult*
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ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
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None found		No listings found on Additional Hazard Lists
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SUBSTANCE NOTES: Ranges are used to protect product exact recipe. Furthermore, this substance is undisclosed as it is proprietary.

ALTERNATE: This substance is an alternate substance to Undisclosed.

## 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: 2023-03-13	CERTIFIER OR LAB: None
APPLICABLE FACILITIES: All.	EXPIRY DATE:	
CERTIFICATE URL:		
CERTIFICATION AND COMPLIANCE NOTES:		

## 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.*

### PRO SUPERPRIME™

MANUFACTURER (OR GENERIC): **PROMA Adhesives Inc.**

HPD URL: [https://hpdrepository.hpd-collaborative.org/repository/HPDs/1122\\_PRO\\_SUPERPRIME\\_.pdf](https://hpdrepository.hpd-collaborative.org/repository/HPDs/1122_PRO_SUPERPRIME_.pdf)

ACCESSORY TYPE: Other

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: PRO SUPERPRIME™ can be used to ready nearly any surface for PROMA setting materials without the need for scarifying or shotblasting.

### PRO SUPERPRIME™ 1C

MANUFACTURER (OR GENERIC): **PROMA Adhesives Inc.**

HPD URL: [https://hpdrepository.hpd-collaborative.org/repository/HPDs/1122\\_PRO\\_SUPERPRIME\\_1C.pdf](https://hpdrepository.hpd-collaborative.org/repository/HPDs/1122_PRO_SUPERPRIME_1C.pdf)

ACCESSORY TYPE: Other

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: PRO SUPERPRIME™ 1C can be used to ready nearly any surface for PROMA setting materials without the need for scarifying or shotblasting.

### PRO BOND™ PLUS

MANUFACTURER (OR GENERIC): **PROMA Adhesives Inc.**

HPD URL: [https://hpdrepository.hpd-collaborative.org/repository/HPDs/1122\\_PRO\\_BOND\\_PLUS\\_PRO\\_QUICK\\_PLUS\\_and\\_PRO\\_PATCH\\_LIQUID.pdf](https://hpdrepository.hpd-collaborative.org/repository/HPDs/1122_PRO_BOND_PLUS_PRO_QUICK_PLUS_and_PRO_PATCH_LIQUID.pdf)

ACCESSORY TYPE: Other

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: PRO BOND™ PLUS is an additive used exclusively with PRO BOND™ mortar as a SYSTEM to produce a premium-quality, high-performance solution for installations requiring extreme bond strength and flexibility. Interior or exterior, freeze/thaw, high-traffic, water-submerged... nearly any environment is suitable for the PRO BOND™ PLUS SYSTEM. Install tile or stone of almost any type or size over the widest range of substrates. Strong, yet extremely flexible, the PRO BOND™ PLUS SYSTEM is a great solution for the toughest installations. When in doubt? You can't go wrong with the PRO BOND™ PLUS SYSTEM

## Section 5: General Notes

None of the products contain VOCs. All products come in powder form and are mixed to water on site prior to usage. PRO BOND may be mixed with PRO BOND PLUS for application requiring extreme bond strength. Note that PRO BOND PLUS does contain VOCs (see product HPD for details).

PRO FLEX® is an excellent mid-grade, single-component, polymer-modified thin-set mortar suitable for interior and exterior installation of institutional, commercial, and residential non-vitreous, semi-vitreous, vitreous, and impervious tiles including porcelain and most natural stone. Also suitable for the installation of most marble and granite tiles over well-prepared concrete and exterior grade plywood substrates.

PRO FLEX® SF is a specially formulated polymer-modified sag-slump resistant thin-set mortar designed for floor and wall installation of large-format and heavy tile and stone. PRO FLEX® SF is suitable for institutional, commercial, and residential installations.

PRO FLEX® LFT is a professional grade, polymer-modified sag-slump resistant thin-set mortar designed for floor and wall installation of large-format and heavy tile and stone. PRO FLEX LFT is suitable for institutional, commercial, and residential installations. PRO FLEX LFT contains PROMA's SUPER SETTING TECHNOLOGY, which offers extended open time, ultra-creamy consistency, and exceptional mortar transfer.

PRO BOND is a high-quality dry thin-set mortar designed for the interior installation of non-vitreous, semi-vitreous, and vitreous ceramic tiles. Mix PRO BOND with undiluted PRO BOND PLUS for interior and exterior bonding of porcelain, glass tile, most marble and granite over conventional and non-conventional substrates (see PRO BOND PLUS SYSTEM data sheet for full details).

**MANUFACTURER INFORMATION**

**MANUFACTURER:** PROMA Adhesives Inc.  
**ADDRESS:** 9801, Parkway  
 Anjou Quebec H1J 1P3, Canada  
**WEBSITE:** [www.proma.ca](http://www.proma.ca) / [www.proma.us](http://www.proma.us)

**CONTACT NAME:** Caroline Sow  
**TITLE:** R&D LAB DIRECTOR  
**PHONE:** 514.852.8585  
**EMAIL:** [caroline.sow@proma.ca](mailto:caroline.sow@proma.ca)

*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-P1</b> List Translator Possible 1 (Possible Benchmark-1)
<b>BM-3</b> Benchmark 3 (use but still opportunity for improvement)	<b>LT-1</b> List Translator 1 (Likely Benchmark-1)
<b>BM-2</b> Benchmark 2 (use but search for safer substitutes)	<b>LT-UNK</b> List Translator Benchmark Unknown
<b>BM-1</b> Benchmark 1 (avoid - chemical of high concern)	<b>NoGS</b> No GreenScreen.
<b>BM-U</b> 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](http://www.greenscreenchemicals.org), and Best Practices for Hazard Screening on the HPDC website ([hpd-collaborative.org](http://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 for compliance with the HPD standard noted.*