

CLASSIFICATION: 09 29 00.00 FINISHES: GYPSUM BOARD

PRODUCT DESCRIPTION: THIS HPD COVERS THE PROFORM® BRAND READY MIX JOINT COMPOUND PRODUCT LINE. PROFORM® READY MIX JOINT COMPOUNDS COME IN A VARIETY OF FORMULAS INCLUDING ALL PURPOSE, LIGHT WEIGHT AND ULTRA-LIGHT WEIGHT. SELECT FORMULAS HAVE DUST CONTROL PROPERTIES. PROFORM® ALL PURPOSE JOINT COMPOUND IS THE HEAVIEST TYPE OF COMPOUND AND IT SANDS TO A SMOOTH FINISH AND RESISTS DENTS AND SCUFFS. PROFORM® LIGHTWEIGHT COMPOUNDS REDUCE SHRINKAGE BY UP TO 33% AND SAND WITH LESS EFFORT. PROFORM® ULTRA LITE COMPOUND WEIGHS UP TO 40% LESS THAN ALL PURPOSE, SANDS EASIER AND IS EXCELLENT FOR USE IN ALL TAPING AND FINISHING TOOLS. THE DUST CONTROL FORMULAS REDUCE AIRBORNE DUST BY 60% AND RESIST MOLD GROWTH PER ASTM G21. SELECT PROFORM® READY MIX JOINT COMPOUNDS ACHIEVE GREENGUARD AND GREENGUARD GOLD CERTIFICATION, WHICH ARE CERTIFIED TO GREENGUARD STANDARDS FOR LOW CHEMICAL EMISSIONS INTO INDOOR AIR DURING PRODUCT USAGE. THIS HPD COVERS THE FOLLOWING PROFORM® READY MIX JOINT COMPOUNDS: PROFORM® ALL PURPOSE, PROFORM® LITE®, PROFORM® LITE BLUE, PROFORM® ULTRA LITE®, PROFORM® XP® WITH DUST-TECH®, PROFORM® XP® LITE WITH DUST-TECH®, PROFORM® MULTI-USE, PROFORM® TAPING, PROFORM® TAPING LITE, PROFORM® ALL PURPOSE MACHINE GRADE, PROFORM® ALL PURPOSE ORANGE, PROFORM® ALL PURPOSE HEAVY VISCOSITY, PROFORM® TOPPING, PROFORM® CONCRETE-COVER COMPOUND, PROFORM® TINTED-LITE JOINT COMPOUND.

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 1 of 1 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 type="radio"/>	<input checked="" 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..... 3
Contents highest concern GreenScreen Benchmark or List translator Score..... LT-1
Nanomaterial..... No

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

READY MIX JOINT COMPOUNDS [CALCIUM CARBONATE **BM-3** WATER **BM-4** TALC **BM-3** | CAN PYROPHYLLITE **UNK** UNDISCLOSED **LT-UNK** QUARTZ **LT-1** | CAN ATTAPULGITE **LT-1** | CAN MICA **LT-UNK** KAOLIN CLAY **LT-UNK** | CAN METHYLHYDROXYETHYLCELLULOSE **LT-UNK** HYDROXYETHYL CELLULOSE **LT-P1** | END POLY(VINYL ALCOHOL) **LT-UNK** POLYVINYL ACETATE (PVA) **LT-UNK** CHLORITE **UNK**]

INVENTORY AND SCREENING NOTES:

This Health Product Declaration (HPD) was completed in accordance with the HPD Standard version 2.0, 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. Therefore, this HPD is consistent with the LEED v4 MR credit Building Product Disclosure and Optimization: Material Ingredient Reporting (Option 1).

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

Material (g/l): 2.0 Regulatory (g/l):
Does the product contain exempt VOCs: No
Are ultra-low VOC tints available: N/A

CERTIFICATIONS AND COMPLIANCE

VOC emissions: GREENGUARD Gold Certified
VOC emissions: GREENGUARD Certified

See Section 3 for additional listings.

<input checked="" type="radio"/> Self-Published*	VERIFIER:	SCREENING DATE: May 12, 2017	EXPIRY DATE*: May 12, 2020
<input type="radio"/> Third Party Verified	VERIFICATION #:	RELEASE DATE: June 19, 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.

READY MIX JOINT COMPOUNDS

#: 100.0000

HPD URL:

Inventory Threshold: 1000 ppm

Residuals Considered: Yes

Material Notes: Residuals or impurities with the potential to be present in this material/product above the Content Inventory Threshold indicated that have a GS score of BM-1, LT-1 or LT-P1 are disclosed, based on information provided in supplier disclosure letters, supplier SDS, and as predicted by process chemistry (Pharos CML). Percent by weight of substances disclosed as ranges to protect proprietary formulation.

CALCIUM CARBONATE

ID: 471-34-1

#: 45.0000 - 65.0000

GS: BM-3

RC: None

NANO: NO

ROLE: Filler

HAZARDS:

None Found

AGENCY(IES) WITH WARNINGS:

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Identified on the US EPA Safer Chemical Ingredient List. Other CASRN may include 1317-65-3 (Limestone; LT-UNK; NO | No warnings found on HPD Priority lists).

WATER

ID: 7732-18-5

#: 30.0000 - 50.0000

GS: BM-4

RC: None

NANO: NO

ROLE: Diluent; Controls fluidity and texture

HAZARDS:

None Found

AGENCY(IES) WITH WARNINGS:

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

TALC

ID: 14807-96-6

#: 1.0000 - 20.0000

GS: BM-3

RC: None

NANO: NO

ROLE: Filler, flow ability, crack resistance

HAZARDS:

CANCER

MAK

AGENCY(IES) WITH WARNINGS:

Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: Non-asbestiform. Supplier has provided Certificate of Analysis confirming that talc products "do not contain detectable regulated asbestiform minerals". Talc is one of several substances that work synergistically to reduce cracking in the finished product.

%: 0.1000 - 10.0000	GS: UNK	RC: None	NANO: NO	ROLE: Crack resistance; Improved workability; Reduced chalking
---------------------	---------	----------	----------	--

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Pyrophyllite is one of several substances that work synergistically to reduce cracking in the finished product. This substance is currently not listed in the Pharos Chemical and Material Library (CML). According to USGS: "Pyrophyllite is a hydrous aluminum silicate with a structure similar to talc. Such properties as chemical inertness, high dielectric strength, high melting point, and low electrical conductivity make it useful for ceramic and refractory applications." (<https://minerals.usgs.gov/minerals/pubs/commodity/talc/>). Supplier SDS lists the following exposure limits: OSHA PEL (United States) TWA: 15 mg/m3 total dust, 5 mg/m3 respirable dust (PNOR); ACGIH TLV (United States) TWA: 10 mg/m3 total dust, 3 mg/m3 respirable dust (PNOS).

UNDISCLOSED

%: 0.1000 - 1.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Binder
--------------------	------------	----------	----------	--------------

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Supplier has disclosed substance name and CASRN under a Non-Disclosure Agreement; substance to remain proprietary to supplier. Substance has been screened against the HPD Priority lists with results disclosed.

QUARTZ

%: 0.1000 - 10.0000	GS: LT-1	RC: None	NANO: NO	ROLE: Crack resistance; Improved workability; Reduced chalking; Residual/Impurity
---------------------	----------	----------	----------	--

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

SUBSTANCE NOTES: Quartz is one of several compounds with warnings restricted to respirable forms (Pharos CML). Exposures to respirable crystalline silica are not expected during the recommended use of this product. Awaiting full GreenScreen Assessment for form specific hazards for this compound (<http://ow.ly/Z5ken>). Quartz is one of several substances that work synergistically to reduce cracking in the finished product. May also represent possible impurity present in raw materials.

ATTAPULGITE

ID: 12174-11-7

%: 0.1000 - 10.0000	GS: LT-1	RC: None	NANO: NO	ROLE: Improves sag resistance; Reduces cracking
---------------------	----------	----------	----------	---

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

CANCER	IARC	Group 2b - Possibly carcinogenic to humans
CANCER	CA EPA - Prop 65	Carcinogen
CANCER	MAK	Carcinogen Group 2 - Considered to be carcinogenic for man

SUBSTANCE NOTES: Attapulgite is one of several substances that work synergistically to reduce cracking in the finished product. Hydrated magnesium aluminium silicate, which occurs as a fibrous chain-structure mineral in clay deposits in several areas of the world. Found in a variety of paints, joint compounds, adhesives and other building materials. (Pharos CML). IARC Monographs (Vol 68): "There is inadequate evidence in humans for the carcinogenicity of palygorskite (attapulgite). Long palygorskite (attapulgite) fibres (> 5 um) are possibly carcinogenic to humans (Group 2B). Short palygorskite (attapulgite) fibres (< 5 um) cannot be classified as to their carcinogenicity to humans (Group 3)." (toxnet.nlm.nih.gov).

MICA

ID: 12001-26-2

%: 0.1000 - 10.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Crack resistance; Improved workability; Reduced chalking
---------------------	------------	----------	----------	--

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

None Found	No warnings found on HPD Priority lists
------------	---

SUBSTANCE NOTES: Mica is one of several substances that work synergistically to reduce cracking in the finished product.

KAOLIN CLAY

ID: 1332-58-7

%: 0.1000 - 10.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Crack resistance; Improved workability; Reduced chalking
---------------------	------------	----------	----------	--

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

CANCER	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification
--------	-----	--

SUBSTANCE NOTES: Identified on the US EPA Safer Chemicals Ingredient List. Kaolin Clay is one of several substances that work synergistically to reduce cracking in the finished product.

METHYLHYDROXYETHYLCELLULOSE

ID: 9032-42-2

%: 0.1000 - 10.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Thickener
---------------------	------------	----------	----------	-----------------

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

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

HYDROXYETHYL CELLULOSE

ID: 9004-62-0

%: 0.1000 - 10.0000

GS: LT-P1

RC: None

NANO: NO

ROLE: Thickener

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

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

SUBSTANCE NOTES: Identified on the US EPA Safer Chemical Ingredient List.

POLY(VINYL ALCOHOL)

ID: 9002-89-5

%: 0.1000 - 10.0000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Binder

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

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Identified on the US EPA Safer Chemical Ingredient List.

POLYVINYL ACETATE (PVA)

ID: 9003-20-7

%: 0.0000 - 10.0000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Binder

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

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

CHLORITE

ID: 1318-59-8

%: Impurity/Residual

GS: UNK

RC: None

NANO: NO

ROLE: Impurity/Residual

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

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Chlorite Group Minerals. Potential Impurity of Talc.



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

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: All
CERTIFICATE URL: certificates.ulenvironment.com/default.aspx?id=9639&t=cs
CERTIFICATION AND COMPLIANCE NOTES: ProForm XP with Dust-Tech: Certificate Number 6614-420. ProForm Ultra Lite All Purpose: Certificate Number 24403-420. ProForm Lite with Dust-Tech: Certificate Number 9639-420.

GREENGUARD Gold Certified

ISSUE DATE:	EXPIRY DATE:	CERTIFIER OR LAB:
2009-04-30	2017-12-31	UL Environment

VOC EMISSIONS

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: All
CERTIFICATE URL: certificates.ulenvironment.com/default.aspx?id=9639&t=gg
CERTIFICATION AND COMPLIANCE NOTES: Easy Finish: Certificate Number 6606-410. ProForm All Purpose: Certificate Number 6607-410. ProForm Lite Blue: Certificate Number 6608-410. ProForm Lite: Certificate Number 6609-410. ProForm Machine Grade: Certificate Number 6610-410. ProForm Multi-Use: Certificate Number 6611-410. ProForm Taping: Certificate Number 6612-410. ProForm Topping: Certificate Number 6613-410. ProForm XP with Dust-Tech: Certificate Number 6614-410. ProForm Ultra Lite All Purpose: Certificate Number 24403-410. ProForm Lite with Dust-Tech: Certificate Number 9639-420.

GREENGUARD Certified

ISSUE DATE:	EXPIRY DATE:	CERTIFIER OR LAB:
2009-04-30	2017-12-31	UL Environment



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.

GOLD BOND® GYPSUM BOARDS

HPD URL: <http://designcenter.nationalgypsum.com/sustainability/category/health-product-declaration-hpd>

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: ProForm® Ready Mix Joint Compounds can be used to finish various types of gypsum boards, such as Gold Bond® Fire-Shield, Gold Bond® XP Fire-Shield, and Gold Bond® XP SoundBreak.

PROFORM® PAPER JOINT TAPE

HPD URL: <http://designcenter.nationalgypsum.com/sustainability/category/health-product-declaration-hpd>

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Paper tape, such as ProForm® Paper Joint Tape, can be used in conjunction with ProForm® Ready Mix Joint Compounds to finish various types of gypsum boards.



Section 5: General Notes

Residuals and Impurities have been considered as stated in the Material Notes for each disclosed material.



MANUFACTURER INFORMATION

MANUFACTURER: National Gypsum Company

CONTACT NAME: Warren Barber

ADDRESS: 2001 Rexford Road
Charlotte, NC 28211
USA

TITLE: Manager - Technical Marketing

PHONE: 704-365-7494

WEBSITE: www.nationalgypsum.com

EMAIL: WarrenB@nationalgypsum.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

AQU Aquatic toxicity

GLO Global warming

PHY Physical Hazard (reactive)

CAN Cancer

MAM Mammalian/systemic/organ toxicity

REP Reproductive toxicity

DEV Developmental toxicity

MUL Multiple hazards

RES Respiratory sensitization

END Endocrine activity

NEU Neurotoxicity

SKI Skin sensitization/irritation/corrosivity

EYE Eye irritation/corrosivity

OZO Ozone depletion

LAN Land Toxicity

GEN Gene mutation

PBT Persistent Bioaccumulative Toxic

NF Not found on Priority Hazard Lists

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)

LT-P1 List Translator Possible Benchmark 1

BM-3 Benchmark 3 (use but still opportunity for improvement) BM-2
Benchmark 2 (use but search for safer substitutes)

LT-1 List Translator Likely Benchmark 1

BM-1 Benchmark 1 (avoid - chemical of high concern)

LT-UNK List Translator Benchmark Unknown (insufficient
information from List Translator lists to benchmark)

BM-U Benchmark Unspecified (insufficient data 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.