

HPD UNIQUE IDENTIFIER: 344723519832064
HPD UNIQUE PRODUCT ID: Not provided.
CLASSIFICATION: 03 62 00 Non-Shrink Grouting
PRODUCT TYPE: Grouts

PRODUCT DESCRIPTION: NanoGrout CFG is a ready to use, high strength, highly flowable, non-shrink cementitious grout. It requires only addition of water at site. It consists of portland cement and special chemicals for non-shrinkage properties, high fluidity and retention properties of the mix at low water cement ratio. NanoGrout CFG is used for Post-tensioned cable ducts, sonic tubes in the concrete piles, repair of non moving concrete cracks by injection, rock anchors, sheet pile anchors and micropiles.

Section 1: Summary

Nested Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format	Residuals/Impurities Evaluation	For all contents above the threshold, the manufacturer has:
→ Nested Materials Method	Completed in 1 of 1 Materials	
Threshold Disclosed Per	Explanation(s) provided for Residuals/Impurities?	Characterized Yes
→ Product	Yes	Provided weight and role.
Threshold Level		Screened Yes
→ 100 ppm		Provided screening results using HPDC-approved methods.
		Identified Yes
		Provided name and CAS RN or other identifier.

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
NANOGROUT CFG | PORTLAND CEMENT LT-P1 | CAN | END | MAM | EYE | SKI ALUMINIUM POWDER (STABILISED) LT-P1 | END | CAN | MAM | PHY ALLYL ALCOHOL, ETHOXYLATED LT-UNK

Number of Greenscreen BM-4/BM3 contents ... 0
Contents highest-concern GreenScreen score(s) (BM-1, LT-1, LT-P1) ... LT-P1
Nanomaterial ... No
INVENTORY AND SCREENING NOTES:

This Health Product Declaration (HPD) was completed in accordance with the HPD Standard version 3.0 and discloses hazards associated with all substances present at or above 100 parts per million (ppm) in the finished product, along with the role and percent weight. Therefore, this HPD is consistent with the LEED v4.1 MR Credit Building Product Disclosure and Optimization: Material Ingredient Reporting (Option 1).

*Form-Specific Hazard: This substance's GreenScreen Benchmark or List Translator score and the applicable hazards are related to particulate inhalation, which is expected to occur only during manufacture, installation, maintenance, or demolition, due to activities such as sawing, sanding, grinding, or intensive cleaning. For this reason, this score is intentionally omitted from the "Contents highest concern" line above. See HPDC's Special Conditions policy for more information.

PFAS DETAILS:
This product does not contain intentionally added PFAS, but it is unknown if PFAS is contained in materials or substances from suppliers.
Attestation:



VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

COMPLIANCE *See Section 3 for additional listings.*

VOC emissions: CDPH Standard Method - Not tested

Management: ISO 9001:2015 Quality management systems

Management: ISO 14001:2015 - Environmental management systems

Management: ISO 45001:2018 Occupational health and safety management systems

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Option 2.

Pre-checked for LEED v4.1 Option 1.

Pre-checked for LEED v5 Human Health 1.

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 3.0, available on the HPDC website at: www.hpd-collaborative.org/hpd-3-0-standard

NANOGROUT CFG		%: 100.0000	
PRODUCT THRESHOLD: 100 ppm	RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes	MATERIAL TYPE: Geologically Derived Material	
RESIDUALS AND IMPURITIES NOTES: CONMIX LTD. worked with the HPDC Approved Preparer to confirm that all residuals and impurities were considered under the preparation of this HPD. This was accomplished by obtaining full formulation disclosure, including residuals and impurities, down to the 100 ppm threshold.			
OTHER MATERIAL NOTES: All substances in this material are below the reportable threshold.			

PORTLAND CEMENT				ID: 65997-15-1	
HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2026-03-17 10:57:25		
%: 99.0000 - 99.9000	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		H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]		
MAM	GHS - Japan		H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]		
EYE	GHS - Japan		H318 - Causes serious eye damage [Serious eye damage / eye irritation - Category 1]		
SKI	GHS - Japan		H314 - Causes severe skin burns and eye damage [Skin corrosion / irritation - Category 1]		
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION		
None found			No listings found on Additional Hazard Lists		

SUBSTANCE NOTES: OPC acts as the structural binder in NanoGrout CFG. It provides the matrix that develops strength through the hydration reaction when mixed with water. As it hardens, calcium-silicate hydrates form and interlock the particles, giving the grout its characteristic compressive and flexural strength. Being over 99 % of the mix by weight, OPC defines the mechanical backbone of NanoGrout CFG, ensuring excellent bonding to ducts, anchors, and concrete surfaces. Its fine particle size also contributes to dense packing, minimizing permeability and creating a durable, high-strength grout structure.

ALUMINIUM POWDER (STABILISED)	ID: 7429-90-5
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%: **0.2000 - 1.0000**

GreenScreen: **LT-P1**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Tensile strength additive**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
CAN	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels
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]
PHY	GHS - Japan	H261 - In contact with water releases flammable gas [Substances and mixtures, which in contact with water, emit flammable gases - Category 2]
PHY	GHS - Malaysia	H250 - Catches fire spontaneously if exposed to air [Pyrophoric liquids; Pyrophoric solids - Category 1]
PHY	GHS - New Zealand	Pyrophoric solids category 1
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025 Children's Toy Products

SUBSTANCE NOTES: Aluminium powder functions as a controlled expansion agent that generates slight gas formation during the plastic stage of the grout. When it reacts with the highly alkaline cement environment, it releases hydrogen gas in a regulated manner, compensating for volumetric shrinkage that typically occurs as the grout hardens. This ensures full contact between the grout and the surrounding concrete or ducts, eliminating voids and preventing loss of bond. Its controlled expansion (0–3 %) maintains the “non-shrink” performance of NanoGrout CFG without causing instability or segregation.

ALLYL ALCOHOL, ETHOXYLATED

ID: **27274-31-3**

%: **0.2000 - 1.0000**

GreenScreen: **LT-UNK**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Plasticizer**

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: The superplasticizer in NanoGrout CFG acts as a high-range water-reducing agent, improving workability and flow at low water-cement ratios. It disperses cement particles electrochemically, reducing internal friction and viscosity, allowing the mix to achieve superior flow and retention without increasing water demand. This property is critical in applications such as post-tensioned ducts or sonic tubes where the grout must travel long distances through confined spaces. The result is a cohesive, high-strength grout with exceptional fluidity, uniformity, and resistance to bleeding or settlement.



Section 3: 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	
COMPLIANCE TYPE: Self-declaration	ISSUE DATE: 2025-11-07	EXPIRY DATE: No expiration
CERTIFIER/VERIFIER/TESTING LAB/AUDITOR: None		
COMPLIANCE DETAILS:		
COMPLIANCE SCOPE:		
APPLICABLE FACILITIES: UAE		
COMPLIANCE URL:		
COMPLIANCE NOTES:		
MANAGEMENT	ISO 9001:2015 Quality management systems	

COMPLIANCE TYPE: Third-party certification		ISSUE DATE: 2025-10-02	EXPIRY DATE: 2028-10-01
CERTIFIER/VERIFIER/TESTING LAB/AUDITOR: Bureau Veritas			
COMPLIANCE DETAILS:			
COMPLIANCE SCOPE:			
APPLICABLE FACILITIES: 1) Head Office: City Gate Tower, Al Tawuun Area, P.O. Box 5936, Sharjah, United Arab Emirates. Certificate Number: DU006558-001. 2) Warehouse Factory No. 4, Jurf Industrial Zone 3, P.O. Box 88, Ajman, United Arab Emirates. Certificate Number: DU006558-002. 3) Al Quoz, P.O. Box 71285, Dubai, United Arab Emirates. Certificate Number: DU006558-003. 4) Dubai Investment Park 1, P.O. Box 71285, Dubai, United Arab Emirates. Certificate Number: DU006558-004. 5) Industrial Area 12, P.O. Box 5936, Sharjah, United Arab Emirates. Certificate Number: DU006558-005. 6) Dubai Industrial City, P.O. Box 5936, Dubai, United Arab Emirates. Certificate Number: DU006558-006. 7) Zone R, Al Ghail Industrial Zone, NFZ, P.O. Box 88, Ras Al Khaimah, United Arab Emirates. Certificate Number: DU006558-007. 8) Industrial Area 07, P.O. Box 5936, Sharjah, United Arab Emirates. Certificate Number: DU006558-008			
COMPLIANCE URL: https://conmix.com/quality-management			
COMPLIANCE NOTES: 1) Head Office (Sharjah): (a) Design, manufacturing, and supply of Ready Mix Concrete. (b) Manufacturing of Dry Mix Concrete and Mortars. (c) Manufacturing of Cement prepared additives. (d) Manufacturing of construction plaster products. (e) Manufacturing of construction chemicals, Pre Mix Plaster and Paints. (f) Manufacturing of Fire Resistant and Retardant materials. (g) Manufacturing of Wall Coating Materials and Paints. (h) Manufacturing of Glues and prepared adhesives. (i) Coating and treatment of metals. 2) Ajman: (a) Design, manufacturing, and supply of Ready Mix Concrete Coating and Treatment of Metals. 3) Al Quoz: (a) Design, manufacturing, and supply of Ready Mix Concrete. 4) DIP: (a) Design, manufacturing, and supply of Ready Mix Concrete. 5) Industrial Area 12, Sharjah: (a) Design, manufacturing, and supply of Ready Mix Concrete. 6) DIC: (a) Manufacturing of Fire Resistant & Retardant materials. (b) Manufacturing of Construction chemicals, Pre Mix Plaster & Paints. (c) Manufacturing of Wall Coating materials and Paints. 7) Ras Al Khaimah: (a) Manufacturing of Dry Mix Concrete and Mortars. (b) Manufacturing of Construction Plaster Products. (c) Manufacturing of Cement prepared additives. (d) Manufacturing of Glues and prepared adhesives. 8) Industrial Area 07, Sharjah: (a) Manufacturing of construction chemicals.			
MANAGEMENT		ISO 14001:2015 - Environmental management systems	

COMPLIANCE TYPE: Third-party certification		ISSUE DATE: 2025-10-02	EXPIRY DATE: 2028-10-01
CERTIFIER/VERIFIER/TESTING LAB/AUDITOR: Bureau Veritas			
COMPLIANCE DETAILS:			
COMPLIANCE SCOPE:			
APPLICABLE FACILITIES: 1) Head Office: City Gate Tower, Al Tawuun Area, P.O. Box 5936, Sharjah, United Arab Emirates. Certificate Number: DU006556-001. 2) Warehouse Factory No. 4, Jurf Industrial Zone 3, P.O. Box 88, Ajman, United Arab Emirates. Certificate Number: DU006556-002. 3) Al Quoz, P.O. Box 71285, Dubai, United Arab Emirates. Certificate Number: DU006556-003. 4) Dubai Investment Park 1, P.O. Box 71285, Dubai, United Arab Emirates. Certificate Number: DU006556-004. 5) Industrial Area 12, P.O. Box 5936, Sharjah, United Arab Emirates. Certificate Number: DU006556-005. 6) Dubai Industrial City, P.O. Box 5936, Dubai, United Arab Emirates. Certificate Number: DU006556-006. 7) Zone R, Al Ghail Industrial Zone, NFZ, P.O. Box 88, Ras Al Khaimah, United Arab Emirates. Certificate Number: DU006556-007. 8) Industrial Area 07, P.O. Box 5936, Sharjah, United Arab Emirates. Certificate Number: DU006556-008.			
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COMPLIANCE NOTES: 1) Head Office (Sharjah): (a) Design, manufacturing, and supply of Ready Mix Concrete. (b) Manufacturing of Dry Mix Concrete and Mortars. (c) Manufacturing of Cement prepared additives. (d) Manufacturing of construction plaster products. (e) Manufacturing of construction chemicals, Pre Mix Plaster and Paints. (f) Manufacturing of Fire Resistant and Retardant materials. (g) Manufacturing of Wall Coating Materials and Paints. (h) Manufacturing of Glues and prepared adhesives. (i) Coating and treatment of metals. 2) Ajman: (a) Design, manufacturing, and supply of Ready Mix Concrete Coating and Treatment of Metals. 3) Al Quoz: (a) Design, manufacturing, and supply of Ready Mix Concrete. 4) DIP: (a) Design, manufacturing, and supply of Ready Mix Concrete. 5) Industrial Area 12, Sharjah: (a) Design, manufacturing, and supply of Ready Mix Concrete. 6) DIC: (a) Manufacturing of Fire Resistant & Retardant materials. (b) Manufacturing of Construction chemicals, Pre Mix Plaster & Paints. (c) Manufacturing of Wall Coating materials and Paints. 7) Ras Al Khaimah: (a) Manufacturing of Dry Mix Concrete and Mortars. (b) Manufacturing of Construction Plaster Products. (c) Manufacturing of Cement prepared additives. (d) Manufacturing of Glues and prepared adhesives. 8) Industrial Area 07, Sharjah: (a) Manufacturing of construction chemicals.			
MANAGEMENT		ISO 45001:2018 Occupational health and safety management systems	

CERTIFIER/VERIFIER/TESTING LAB/AUDITOR: Bureau Veritas

COMPLIANCE DETAILS:

COMPLIANCE SCOPE:

APPLICABLE FACILITIES: 1) Head Office: City Gate Tower, Al Tawuun Area, P.O. Box 5936, Sharjah, United Arab Emirates. Certificate Number: DU006557-001. 2) Warehouse Factory No. 4, Jurf Industrial Zone 3, P.O. Box 88, Ajman, United Arab Emirates. Certificate Number: DU006557-002. 3) Al Quoz, P.O. Box 71285, Dubai, United Arab Emirates. Certificate Number: DU006557-003. 4) Dubai Investment Park 1, P.O. Box 71285, Dubai, United Arab Emirates. Certificate Number: DU006557-004. 5) Industrial Area 12, P.O. Box 5936, Sharjah, United Arab Emirates. Certificate Number: DU006557-005. 6) Dubai Industrial City, P.O. Box 5936, Dubai, United Arab Emirates. Certificate Number: DU006557-006. 7) Zone R, Al Ghail Industrial Zone, NFZ, P.O. Box 88, Ras Al Khaimah, United Arab Emirates. Certificate Number: DU006557-007. 8) Industrial Area 07, P.O. Box 5936, Sharjah, United Arab Emirates. Certificate Number: DU006557-008.

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COMPLIANCE NOTES: 1) Head Office (Sharjah): (a) Design, manufacturing, and supply of Ready Mix Concrete. (b) Manufacturing of Dry Mix Concrete and Mortars. (c) Manufacturing of Cement prepared additives. (d) Manufacturing of construction plaster products. (e) Manufacturing of construction chemicals, Pre Mix Plaster and Paints. (f) Manufacturing of Fire Resistant and Retardant materials. (g) Manufacturing of Wall Coating Materials and Paints. (h) Manufacturing of Glues and prepared adhesives. (i) Coating and treatment of metals. 2) Ajman: (a) Design, manufacturing, and supply of Ready Mix Concrete Coating and Treatment of Metals. 3) Al Quoz: (a) Design, manufacturing, and supply of Ready Mix Concrete. 4) DIP: (a) Design, manufacturing, and supply of Ready Mix Concrete. 5) Industrial Area 12, Sharjah: (a) Design, manufacturing, and supply of Ready Mix Concrete. 6) DIC: (a) Manufacturing of Fire Resistant & Retardant materials. (b) Manufacturing of Construction chemicals, Pre Mix Plaster & Paints. (c) Manufacturing of Wall Coating materials and Paints. 7) Ras Al Khaimah: (a) Manufacturing of Dry Mix Concrete and Mortars. (b) Manufacturing of Construction Plaster Products. (c) Manufacturing of Cement prepared additives. (d) Manufacturing of Glues and prepared adhesives. 8) Industrial Area 07, Sharjah: (a) Manufacturing of construction chemicals.

 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

NanoGrout CFG is a pre-mixed, non-shrink, high-strength cementitious grout designed for post-tensioned cable ducts and sonic tubes in concrete piles. Supplied as a ready-to-use powder requiring only the addition of water, it combines Portland cement with special chemical additives to achieve high fluidity,

superior flow retention, and controlled expansion even at low water-cement ratios. Conforming to BS EN 445 and related international standards, it delivers exceptional performance for applications such as grouting post-tension ducts, sonic tubes, rock anchors, sheet-pile anchors, micropiles, and non-moving crack repairs. The product is chloride-free, exhibits no bleeding or settlement, and ensures corrosion protection of embedded metallic parts.

Engineered for consistency and durability, NanoGrout CFG achieves compressive strengths up to 65 N/mm² at 28 days, flexural strength > 8 N/mm², and 0–3% positive expansion with negligible bleeding. Its high flowability (Marsh Cone 10–25 sec) and wet density of 2.00 kg/l ensure full penetration and uniform filling of ducts and voids. The grout provides a yield of 17 litres per 25 kg bag at a 0.36 W/P ratio and is available in 25 kg and 50 kg packs. When mixed mechanically using a high-shear colloidal grout mixer and cured properly, NanoGrout CFG offers durable, non-shrink performance ideal for precision grouting in structural, geotechnical, and post-tensioning applications.

MANUFACTURER INFORMATION

MANUFACTURER: **CONMIX LTD**
 ADDRESS: **9th Floor, The City Gate Tower Opposite Ansar Mall**
Al Khalidiya District, Sharjah 5936
 COUNTRY: **United Arab Emirates**

WEBSITE: **www.conmix.com**
 CONTACT NAME: **Alfred Bulaya**
 TITLE: **QC Engineer**
 PHONE: **+971 6 5126325**
 EMAIL: **conmix@conmix.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

AQU Aquatic toxicity	LAN Land toxicity	PHY Physical hazard (flammable or reactive)
CAN Cancer	MAM Mammalian/systemic/organ toxicity	REP Reproductive
DEV Developmental toxicity	MUL Multiple	RES Respiratory sensitization
END Endocrine activity	NEU Neurotoxicity	SKI Skin sensitization/irritation/corrosivity
EYE Eye irritation/corrosivity	NF Not found on Priority Hazard Lists	UNK Unknown
GEN Gene mutation	OZO Ozone depletion	
GLO Global warming	PBT Persistent, bioaccumulative, and toxic	

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)	LT-P1 List Translator Possible 1 (Possible Benchmark-1)
BM-3 Benchmark 3 (use but still opportunity for improvement)	LT-1 List Translator 1 (Likely Benchmark-1)
BM-2 Benchmark 2 (use but search for safer substitutes)	LT-UNK List Translator Benchmark Unknown
BM-1 Benchmark 1 (avoid - chemical of high concern)	NoGS No GreenScreen.
BM-U 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, and Best Practices for Hazard Screening on the HPDC website (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 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.