

Durasein® Acrylic Solid Surface
by GRL Industries LLC DBA DURASEIN

HPD UNIQUE IDENTIFIER: 3888481585152
HPD UNIQUE PRODUCT ID: Not provided.
CLASSIFICATION: 06 61 16 Solid Surfacing Fabrications
PRODUCT DESCRIPTION: Durasein® acrylic solid surface is a nonporous, homogeneous surfacing material and is composed of approximately two-thirds natural minerals (ATH- alumina trihydrate, aluminum hydroxide) and one-third high strength resin (Polymethylmethacrylate or PMMA). Durasein® acrylic solid surface, an engineered high-performance material, has a pleasant, warm to the touch characteristic similar to that of natural stone. Durasein® solid surface is chemical resistant, stain resistant, heat resistant and easy to clean. Durasein® solid surface is available in a wide range of colors with outstanding aesthetics. Sheets can be spliced together using color-coordinated Durasein Surfacing Adhesive creating virtually inconspicuous seams. Sheet material may be thermoformed allowing fabrication of endless designs having curved sections. Durasein® acrylic solid surface is available not only as sheets but also shapes, e.g., sinks, shower trays and bathtubs. Durasein® solid surface must be fabricated and installed in accordance with the “Durasein® Fabrication and Installation” guidelines. Durasein® solid surface may help contribute to U.S. Green Building Council (USGBC) LEED® points. More than 200 tons of pre-consumer acrylic resin waste materials from the manufacture of products are repurposed into other Durasein® products annually; 100% of process wastewater is filtered, reclaimed, and recycled; and 1600 kw clean energy sourced from photovoltaic panels on the roof powers its manufacturing facility. Durasein® is engineered to help maintain a safe environment for human health from air quality to food safety. Durasein® does not have Crystalline Silica as an ingredient. Durasein® is formaldehyde free, has low volatile organic compound (VOC) emissions (Greenguard and Greenguard Gold Certified), is free of nanoparticles, and is Certified by NSF to the strictest level, Food Zone, for all food types. Versatility of this material is exemplified by its inclusion in the following Product Classifications: 06 61 16 Solid Surfacing Fabrications; 07 42 63 Fabricated Wall Panel Assemblies; 07 46 63 Fabricated Panel Assemblies with Siding; 09 70 00 Wall Finishes; 09 75 23 Simulated Stone Wall Facing; 10 11 43 Visual Display Wall Panels; 10 14 00 Signage; 10 20 00 Interior Specialties; 10 21 13 Toilet Compartments; 10 21 16 Shower and Dressing Compartments; 10 25 13 Patient Bed Service Walls; 11 42 16 Food Preparation Surfaces; 11 74 00 Dental Equipment; 12 35 00 Specialty Casework; 12 34 19 Manufactured Solid surface Casework; 12 36 61.16; Solid Surfacing Countertops; 12 51 83 Custom Office Furniture; 13 12 00 Fountains; 13 21 13 Clean Rooms; 14 27 13 Custom Elevator Cab Finishes; 22 41 00 Residential Plumbing Fixtures; 22 42 00 Commercial Plumbing Fixtures and 22 43 00 Healthcare Plumbing Fixtures.

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. Yes
Threshold Level		Screened Yes
→ 100 ppm		Provided screening results using HPDC-approved methods. No
		Identified No
		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

DURASEIN [ALUMINUM HYDROXIDE BM-2 | SKI | EYE METHYL METHACRYLATE LT-P1 | END | SKI | PHY | EYE | MAM POLYMETHYL METHACRYLATE (PMMA) LT-P1 | TITANIUM DIOXIDE BM-1 | CAN | END | MAM PIGMENT BLUE 29 NoGS | CARBON BLACK BM-1 * | CAN | EYE | MAM | PHY C.I. PIGMENT YELLOW 162 LT-UNK | IRON OXIDE LT-UNK | PIGMENT YELLOW 151 LT-UNK | UNDISCLOSED LT-P1 | MUL | SKI | EYE UNDISCLOSED LT-UNK | EYE | AQU | PHY UNDISCLOSED LT-P1 | SKI | MAM | EYE UNDISCLOSED LT-UNK |

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:

Antimicrobial Pesticides Reporting: This product does not contain substance(s) that are intentionally added above the [Product - 100 ppm] threshold to act as antimicrobials.

Range for substances' percent weight are provided. Durasein® solid surface has been evaluated for SVHC in accordance with European Chemicals Agency (ECHA) European Union Regulation (EC) No 1907/2006.

*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 and materials and substances from suppliers are verified to **not** contain PFAS.

Attestation:

Michael A. Banks, PhD

2025-06-11

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

COMPLIANCE *See Section 3 for additional listings.*

VOC emissions: GreenGuard - Indoor Air Quality Certified

VOC emissions: GreenGuard Gold - Indoor Air Quality Certified

Living Building Challenge compliant, Red List Free, Verified: DECLARE

ANSI/NSF-51 Food Equipment Materials certification: NSF-51 Food

Contact

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Option 1.

Pre-checked for LEED v4.1 Option 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

DURASEIN

%: 100.0000 - 100.0000

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes

MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: No residuals or impurities are expected in the final product. All substances in this material are below the reportable threshold.

OTHER MATERIAL NOTES: Reacted monomers and resins, inert mineral filler, and colorants comprise Durasein® acrylic solid surface. Durasein® acrylic solid surface is manufactured in the form of sheets and shapes (plastic plumbing articles). The material inputs of Durasein® solid surface are encapsulated by polymerization of acrylic-based reactants in the manufacturing process. Certain aesthetics contain alumina trihydrate-filled acrylic particles which have been intentionally manufactured as such or repurposed by diverting acrylic-based materials from manufacturing process waste streams such as off-specification material or edge trimmings from sheets. In its finished form, Durasein® acrylic solid surface is an article and is non-allergic and nontoxic to humans.

ALUMINUM HYDROXIDE

ID: 8064-00-4

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2025-06-16 12:57:34

%: 55.0000 - 66.0000

GreenScreen: BM-2

RC: None

NANO: No

SUBSTANCE ROLE: Flame retardant

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
SKI	GHS - New Zealand	Skin irritation category 2
EYE	GHS - New Zealand	Eye irritation category 2

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, 2024 Children's Toy Products

SUBSTANCE NOTES: Synonyms for ATH include Aluminum Hydroxide, Hydrated Alumina, Aluminum Trihydroxide. Alumina Trihydrate (ATH) is a natural compound extracted from Bauxite having high purity, high whiteness is often associated with its role not only as a pigment but also as a non-halogen flame retardant and smoke suppressant. The large min-max % range is attributed to the variety of product thicknesses, multiple colors and aesthetic design options covered under this HPD. In its final form Durasein® acrylic solid surface is an article, is nontoxic and nonallergic to humans.

METHYL METHACRYLATE

ID: 80-62-6

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2025-06-16 12:57:35

%: 20.0000 - 38.0000

GreenScreen: LT-P1

RC: None

NANO: No

SUBSTANCE ROLE: Polymer species

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
SKI	MAK	Sensitizing Substance Sh - Danger of skin sensitization
SKI	EU - GHS (H-Statements) Annex 6 Table 3-1	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]
PHY	EU - GHS (H-Statements) Annex 6 Table 3-1	H225 - Highly flammable liquid and vapour [Flammable liquids - Category 2]
EYE	GHS - New Zealand	Eye irritation category 2
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 - Japan	H315 - Causes skin irritation [Skin corrosion / irritation - Category 2]
SKI	GHS - New Zealand	Skin sensitisation category 1
SKI	GHS - Malaysia	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]
PHY	GHS - New Zealand	Flammable liquids category 2
PHY	GHS - Japan	H225 - Highly flammable liquid and vapour [Flammable liquids - Category 2]
PHY	GHS - Malaysia	H225 - Highly flammable liquid and vapour [Flammable liquids - Category 2]
PHY	GHS - Australia	H225 - Highly flammable liquid and vapour [Flammable liquids - Category 2]

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Perkins+Will (P+W)	P&W - Precautionary List Precautionary list of substances recommended for avoidance
RESTRICTED LIST	Green Science Policy Institute (GSPI)	GSPI - Six Classes Precautionary List Some Solvents

SUBSTANCE NOTES: Methyl methacrylate is a polymerizable monomer for acrylic resin, it is a colorless organic monomer compound essential for manufacturing polymethyl methacrylate (acrylic) based products. The large min-max % range is attributed to the variety of product thicknesses, multiple colors and aesthetic design options covered under this HPD. In its final form Durasein® acrylic solid surface is an article, is nontoxic and nonallergic to humans.

%: 0.0000 - 20.0000

GreenScreen: LT-P1

RC: None

NANO: No

SUBSTANCE ROLE: Processing regulator

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Perkins+Will (P+W)	P&W - Precautionary List Precautionary list of substances recommended for avoidance

SUBSTANCE NOTES: Post-Consumer methyl methacrylate is available for use and may be used in the manufacturing process for polymer generation. Contact manufacturer for details regarding recycled content. The large min-max % range is attributed to the variety of product thicknesses, multiple colors and aesthetic design options covered under this HPD. In its final form Durasein® acrylic solid surface is an article, is nontoxic and nonallergic to humans.

TITANIUM DIOXIDE

ID: 13463-67-7

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2025-06-16 12:57:36

%: 0.0000 - 3.0000

GreenScreen: BM-1

RC: None

NANO: No

SUBSTANCE ROLE: Pigment

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	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
CAN	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
CAN	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels
CAN	IARC	Group 2b - Possibly carcinogenic to humans
CAN	EU - GHS (H-Statements) Annex 6 Table 3-1	H351 - Suspected of causing cancer [Carcinogenicity - Category 2]
CAN	GHS - Japan	H351 - Suspected of causing cancer [Carcinogenicity - 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]

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
POSITIVE LIST	US Environmental Protection Agency (US EPA)	US EPA - DfE Safer Chemicals Ingredients list (SCIL)
		Colorants - Green Circle (Verified Low Concern)
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2024
		Cosmetics and Personal Care Products

SUBSTANCE NOTES: Inert mineral fillers and pigment colorant material inputs for Durasein® acrylic solid surface are encapsulated by polymerization of monomers during the manufacturing process. In its final form Durasein® acrylic solid surface is an article, is nontoxic and nonallergic to humans.

PIGMENT BLUE 29

ID: 1302-83-6

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2025-06-16 12:57:36	
%: 0.0000 - 3.0000	GreenScreen: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
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: Inert mineral fillers and pigment colorant material inputs for Durasein® acrylic solid surface are encapsulated by polymerization of monomers during the manufacturing process. In its final form Durasein® acrylic solid surface is an article, is nontoxic and nonallergic to humans.

CARBON BLACK

ID: 1333-86-4

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2025-06-16 12:57:36		
%: 0.0000 - 3.0000	GreenScreen: BM-1	RC: None	NANO: No	SUBSTANCE ROLE: Pigment	

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
CAN	US CDC - Occupational Carcinogens	Occupational Carcinogen**
CAN	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification**
CAN	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route**
CAN	IARC	Group 2b - Possibly carcinogenic to humans**
EYE	GHS - New Zealand	Eye irritation category 2**
CAN	GHS - New Zealand	Carcinogenicity category 2**
CAN	GHS - Japan	H351 - Suspected of causing cancer [Carcinogenicity - 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]**
PHY	GHS - Japan	H251 - Self-heating;; may catch fire [Self-heating substances and mixtures - Category 1]**

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

SUBSTANCE NOTES: Inert mineral fillers and pigment colorant material inputs for Durasein® acrylic solid surface are encapsulated by polymerization of monomers during the manufacturing process. In its final form Durasein® acrylic solid surface is an article, is nontoxic and nonallergic to humans.

**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. See HPDC's Special Conditions policy for more information. Manufacturer's Safety Data Sheet (SDS), if applicable, may offer occupational health and safety information.

C.I. PIGMENT YELLOW 162

ID: 68611-42-7

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2025-06-16 12:57:37

%: 0.0000 - 2.0000

GreenScreen: LT-UNK

RC: None

NANO: No

SUBSTANCE ROLE: Pigment

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: Inert mineral fillers and pigment colorant material inputs for Durasein® acrylic solid surface are encapsulated by polymerization of monomers during the manufacturing process. In its final form Durasein® acrylic solid surface is an article, is nontoxic and nonallergic to humans.

IRON OXIDE

ID: 1332-37-2

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2025-06-16 12:57:37		
%: 0.0000 - 2.0000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
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: Inert mineral fillers and pigment colorant material inputs for Durasein® acrylic solid surface are encapsulated by polymerization of monomers during the manufacturing process. In its final form Durasein® acrylic solid surface is an article, is nontoxic and nonallergic to humans.				

PIGMENT YELLOW 151			ID: 31837-42-0	
HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2025-06-16 12:57:38	
%: 0.0000 - 2.0000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
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: Inert mineral fillers and pigment colorant material inputs for Durasein® acrylic solid surface are encapsulated by polymerization of monomers during the manufacturing process. In its final form Durasein® acrylic solid surface is an article, is nontoxic and nonallergic to humans.				

UNDISCLOSED			ID: Undisclosed	
HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2025-06-16 12:57:38	
%: 0.1000 - 2.0000	GreenScreen: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Polymer species
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
MUL	German FEA - Substances Hazardous to Waters		Class 3 - Severe Hazard to Waters	
SKI	GHS - New Zealand		Skin irritation category 2	
EYE	GHS - New Zealand		Eye irritation category 2	
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
None found			No listings found on Additional Hazard Lists	

SUBSTANCE NOTES: Cross-linking, multifunctional reactive substance to form a cross-linked network with liquid acrylic-based polymerizable reactive substance. In its final form Durasein® acrylic solid surface is an article, is nontoxic and nonallergic to humans.

UNDISCLOSED

ID: Undisclosed

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2025-06-16 12:57:37**

%: **0.1000 - 1.0000** GreenScreen: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Curing agent**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
EYE	GHS - Japan	H318 - Causes serious eye damage [Serious eye damage / eye irritation - Category 1]
AQU	GHS - Japan	H401 - Toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 2]
PHY	GHS - Japan	H241 - Heating may cause a fire or explosion [Organic peroxides - Type B]
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: Substance used as a polymerization initiator and curing agent. This substance decomposes under specific conditions, generating free radicals, which initiate the desired polymerization reactions of monomers and becomes incorporated into the acrylic resin (acrylic polymer). In its final form Durasein® acrylic solid surface is an article, is nontoxic and nonallergic to humans.

UNDISCLOSED

ID: Undisclosed

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2025-06-16 12:57:37**

%: **0.1000 - 0.7500** GreenScreen: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Activator**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
SKI	GHS - Australia	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]
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 Precautionary List
		Antimicrobials
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2024
		Cosmetics and Personal Care Products

SUBSTANCE NOTES: When activated, a cure agent generates free radicals which initiate polymerization reactions desired in the manufacturing process. This substance then becomes incorporated into the polymer resin (acrylic resin). In its final form Durasein® acrylic solid surface is an article, is nontoxic and nonallergic to humans.

UNDISCLOSED

ID: Undisclosed

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2025-06-16 12:57:38	
%: 0.0000 - 0.5000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Polymer species
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: A cross-linking, multifunctional reactive substance to form a cross-linked network with liquid acrylic-based polymerizable reactive substances. In its final form Durasein® acrylic solid surface is an article, is nontoxic and nonallergic to humans.

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		GreenGuard - Indoor Air Quality Certified	
COMPLIANCE TYPE: Third Party		ISSUE DATE: 2015-11-01	EXPIRY DATE: 2025-11-09
CERTIFIER/VERIFIER/TESTING LAB/AUDITOR: Underwriters Laboratories			
COMPLIANCE DETAILS: COMPLIANCE SCOPE: APPLICABLE FACILITIES: Guangdong Relang New Material Technology Co., Ltd. No. 13, Hualian 3rd Road, Fine Chemical Zone, Gaolan Port Economic District, Zhuhai City, Guangdong Province, P.R. China			
COMPLIANCE URL: https://spot.ul.com			
COMPLIANCE NOTES: Certification is renewed on an annual basis. Durasein® acrylic solid surface has been evaluated under the GREENGUARD certification program on an ongoing basis since 2015 per UL 2818 - 2022 Standard for Chemical Emissions for Building Materials, Finishes and Furnishings. Commercial furniture and furnishings are tested in accordance with ANSI/BIFMA M7.1-2011(R2016) and determined to comply with ANSI/BIFMA X7.1-2011(R2016) and ANSI/BIFMA e3-2019 Credit 7.6.1 in a Private Office environment. Products tested in accordance with UL 2821 test method to show compliance to emission limits in UL 2818, Section 7.1.			

VOC EMISSIONS		GreenGuard Gold - Indoor Air Quality Certified	
COMPLIANCE TYPE: Third Party		ISSUE DATE: 2015-11-01	EXPIRY DATE: 2025-11-09
CERTIFIER/VERIFIER/TESTING LAB/AUDITOR: Underwriters Laboratories			
COMPLIANCE DETAILS: COMPLIANCE SCOPE: APPLICABLE FACILITIES: Guangdong Relang New Material Technology Co., Ltd. No. 13, Hualian 3rd Road, Fine Chemical Zone, Gaolan Port Economic District, Zhuhai City, Guangdong Province, P.R. China			
COMPLIANCE URL: https://spot.ul.com			
COMPLIANCE NOTES: Certification is renewed on an annual basis. Durasein® solid surface has been evaluated under the GREENGUARD certification program on an ongoing basis since 2015 per UL 2818 - 2013 Gold Standard for Chemical Emissions for Building Materials, Finishes and Furnishings: Building products and interior finishes are determined compliant in accordance with California Department of Public Health (CDPH) Standard Method V1.1-2010 using a Classroom Environment. Commercial furniture and furnishings are tested in accordance with ANSI/BIFMA M7.1-2011(R2016) and determined to comply with ANSI/BIFMA X7.1-2011(R2016) and ANSI/BIFMA e3-2014e Credit 7.6.1, 7.6.2, and 7.6.3 in an Open Plan Office Environment. Products also determined compliant in accordance with California Department of Public Health (CDPH) Standard Method V1.1-2010 in the office environment. Product tested in accordance with UL 2821 test method to show compliance to emission limits on UL 2818. Section 7.1 and 7.2.			

COMPLIANCE TYPE: Self-declared

ISSUE DATE: 2023-12-01

EXPIRY DATE: 2025-12-01

CERTIFIER/VERIFIER/TESTING LAB/AUDITOR:

International Living Future Institute

COMPLIANCE DETAILS:

COMPLIANCE SCOPE:

APPLICABLE FACILITIES: Guangdong Relang New Material Technology Co., Ltd. No. 13, Hualian 3rd Road, Fine Chemical Zone, Gaolan Port Economic District, Zhuhai City, Guangdong Province, P.R. China

COMPLIANCE URL: <https://declare.living-future.org/products/durasein-solid-surface>

COMPLIANCE NOTES: Declare is a platform to share and find healthy building products. Manufacturers voluntarily disclose product information on easy-to-read Declare labels, which are accessible on a free database used by leading designers, real estate owners, and conscientious homeowners to specify products they know they can trust. Verifies which products meet leading greenbuilding standards, including the Core Green Building, LBC, LEED, and WELL Certifications. End of Life Options indicated in the DECLARE certification for product include: Salvageable/Reusable in its Entirety, Recyclable, Landfill

ANSI/NSF-51 FOOD EQUIPMENT MATERIALS

NSF-51 Food Contact

CERTIFICATION

COMPLIANCE TYPE: Third Party

ISSUE DATE: 2025-01-20

EXPIRY DATE: No expiration

CERTIFIER/VERIFIER/TESTING LAB/AUDITOR: NSF International

COMPLIANCE DETAILS:

COMPLIANCE SCOPE:

APPLICABLE FACILITIES: Guangdong Relang New Material Technology Co., Ltd. No. 13, Hualian 3rd Road, Fine Chemical Zone, Gaolan Port Economic District, Zhuhai City, Guangdong Province, P.R. China

COMPLIANCE URL: <https://info.nsf.org/Certified/Common/Company.asp?CompanyName=durasein>

COMPLIANCE NOTES: Durasein® solid surface is certified by NSF, Certificate #0315772, in accordance with NSF-51, the standard for “Plastic Material and Components used in Food Equipment”. NSF-51 standard deals with materials and products used in direct contact with foods and beverages. NSF International performs annual audit and certification at Guangdong Relang New Material Technology Co., Ltd. facility located in Zhuhai City, Guangdong China. Certified compliant product by color names may be found at www.nsf.org (refer to the indicated certificate url).

PLASTIC PLUMBING FIXTURES PER UNIFORM PLUMBING CODE, HUD

Uniform Plumbing Code, HUD Use of Materials Bulletin 73A

BUILDING PRODUCT STANDARDS AND CERTIFICATION PROGRAM FOR

PLASTIC BATHROOM FIXTURES

CERTIFIER/VERIFIER/TESTING LAB/AUDITOR: Home Innovation Research Labs

COMPLIANCE DETAILS:

COMPLIANCE SCOPE:

APPLICABLE FACILITIES: Guangdong Relang New Material Technology Co., Ltd. No. 13, Hualian 3rd Road, Fine Chemical Zone, Gaolan Port Economic District, Zhuhai City, Guangdong Province, P.R. China

COMPLIANCE URL:

https://www.homeinnovation.com/services/product_testing/lab_certified_products

COMPLIANCE NOTES: Home Innovation Research Labs conducts tests and provides certification of plastic plumbing fixtures for conformance to the requirements specified in the Uniform Plumbing Code (UPC). Lavatories, shower receptors, shower bases, bathtubs, whirlpool bathtubs, and sinks must meet the criteria outlined in either CSA B45.5/IAPMO Z124 for Plastic Plumbing Fixtures or CSA B45.8/IAPMO Z403 for Terrazzo, Concrete, Composite Stone, and Natural Stone Plumbing Fixtures. Fixtures used in a plumbing system shall be listed (third-party certified) by a listing agency (accredited conformity assessment body) as complying with the approved applicable recognized standards.

REACH

REACH European Union Regulation (EC) 1907/2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals

COMPLIANCE TYPE: Third Party

ISSUE DATE: 2021-02-04

EXPIRY DATE: No expiration

CERTIFIER/VERIFIER/TESTING LAB/AUDITOR: SGS

COMPLIANCE DETAILS:

COMPLIANCE SCOPE:

APPLICABLE FACILITIES: Guangdong Relang New Material Technology Co., Ltd. No. 13, Hualian 3rd Road, Fine Chemical Zone, Gaolan Port Economic District, Zhuhai City, Guangdong Province, P.R. China

COMPLIANCE URL: <https://durasein.com/us/wp-content/uploads/sites/3/2021/03/REACH.pdf>

COMPLIANCE NOTES: Verification of no SVHC (Substances of Very High Concern) in accordance with REACH European Union Regulation 1907/2006, Article 7Guangdong Relang New Material Technology Co., Ltd., Durasein, had SGS conduct tests to verify that none of the substances on the SVHC (Substances of Very High Concern) list, published by ECHA (European Chemicals Agency), are present in Durasein® acrylic solid surface. Durasein® acrylic solid surface complies with Article 7 “Registration & Notification of Substances Contained in Items” of the REACH Regulation. Durasein® acrylic solid surface does not contain any SVCH in a concentration of over 0.1%.

LCA

Environmental Product Declaration, EPD

CERTIFIER/VERIFIER/TESTING LAB/AUDITOR: EPD International AB, <https://www.environdec.com/home>

COMPLIANCE DETAILS:

COMPLIANCE SCOPE:

APPLICABLE FACILITIES: Guangdong Relang New Material Technology Co., Ltd. No. 13, Hualian 3rd Road, Fine Chemical Zone, Gaolan Port Economic District, Zhuhai City, Guangdong Province, P.R. China

COMPLIANCE URL: <https://www.environdec.com/library/epd7415>

COMPLIANCE NOTES: EPD-IES-0007415:004 (S-P-07415) GUANGDONG RELANG NEW MATERIAL TECHNOLOGY CO., LTD has published an Environmental Product Declaration for DURASEIN® SOLID SURFACE with registration number S-P-07415 in the International EPD® System. The EPD has been developed in accordance with ISO 14025, the General Programme Instructions for the International EPD® System and the reference PCR 2019:14.

RECYCLED CONTENT

SCS Recycled Content Certification - Recycling Programs

COMPLIANCE TYPE: Third Party

ISSUE DATE: 2025-04-01

EXPIRY DATE: 2026-03-31

CERTIFIER/VERIFIER/TESTING LAB/AUDITOR: SCS Global services

COMPLIANCE DETAILS:

COMPLIANCE SCOPE:

APPLICABLE FACILITIES: Guangdong Relang New Material Technology Co., Ltd. No. 13, Hualian 3rd Road, Fine Chemical Zone, Gaolan Port Economic District, Zhuhai City, Guangdong Province, P.R. China

COMPLIANCE URL: https://cdn.scs-certified.com/products/cert_pdfs/Guangdong%20Relang_2025_SCS-RC-20392.pdf

COMPLIANCE NOTES: Consult with DURASEIN for applicable solid surface products. For the following Products: Building and Construction Products: Pure Acrylic solid surface-DM. Certified by SCS Global Services qualifying for the following claim: Minimum 35% Post-Consumer Recycled Alkyl Methacrylate (MMA) Content. Conforms to SCS Recycled Content Standard V8-0. The material quantification and mass-balance calculations are completed on a dry-weight basis.

MANAGEMENT

ISO 9001:2015 Quality management systems

COMPLIANCE TYPE: Third Party

ISSUE DATE: 2023-04-25

EXPIRY DATE: 2026-01-24

CERTIFIER/VERIFIER/TESTING LAB/AUDITOR: SGS United Kingdom Ltd, Accreditation body UKAS

COMPLIANCE DETAILS:

COMPLIANCE SCOPE:

APPLICABLE FACILITIES: Guangdong Relang New Material Technology Co., Ltd. No. 13, Hualian 3rd Road, Fine Chemical Zone, Gaolan Port Economic District, Zhuhai City, Guangdong Province, P.R. China

COMPLIANCE URL: <https://www.sgs.com/en/certified-clients-and-products/certified-client-directory>

COMPLIANCE NOTES: Certificate CN11/30096. For the following activities: Design and manufacture of solid materials (artificial stone) and its sanitary products.

MANAGEMENT

ISO 14001:2004 Environmental management systems

COMPLIANCE TYPE: Third Party

CERTIFIER/VERIFIER/TESTING LAB/AUDITOR: SGS

United Kingdom Ltd

COMPLIANCE DETAILS:

COMPLIANCE SCOPE:

APPLICABLE FACILITIES: Guangdong Relang New Material Technology Co., Ltd. No. 13, Hualian 3rd Road, Fine Chemical Zone, Gaolan Port Economic District, Zhuhai City, Guangdong Province, P.R. China

COMPLIANCE URL: <https://www.sgs.com/en/certified-clients-and-products/certified-client-directory>

COMPLIANCE NOTES: ISO 14001:2015 - Environmental Management System Certification, Scope: Design and manufacture of solid materials (artificial stone) and its sanitary products

ISSUE DATE: 2023-04-05

EXPIRY DATE: No expiration

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.

DURASEIN SURFACING ADHESIVE

MANUFACTURER (OR GENERIC): DURASEIN

HPD URL: No HPD Available

ACCESSORY TYPE: Adhesive

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Durasein Surfacing Adhesive is a methacrylate-based adhesive that produces strong, durable bonds for Durasein® solid surfaces. Durasein Surfacing Adhesive is available in a range of colors to coordinate with Durasein® solid surface colors. Durasein Surfacing Adhesive is specially formulated for professional use and is intended for seaming countertops, backsplashes, wall panels, integral sinks and bowls in commercial and residential settings.

Section 5: General Notes

Durasein® acrylic solid surface consists of reacted monomers and resins, mineral fillers and pigments manufactured as sheet material and shapes. Durasein solid surface materials are solid, non-porous, homogeneous, renewable and are free from internal strengthening fibers. Durasein® acrylic solid surface complies with ISFA-2-01 (2013), Standard Type for solid surface materials, and is designed for horizontal, vertical, wet, and dry applications. Durasein® acrylic solid surface does not require a full substrate to perform in horizontal applications. Durasein® acrylic solid surface is available not only as sheets but also shapes, e.g., sinks, shower trays and bathtubs. Guangdong Relang New Material Technology Co., Ltd. No. 13, Hualian 3rd Road, Fine Chemical Zone, Gaolan Port Economic District, Zhuhai City, Guangdong Province, P.R. China established in 1999 manufactures the industry leading, high performing Durasein® acrylic solid surface. The Durasein Logo, and all trademarks and service marks denoted with TM, SM or ® are owned by Relang International LLC. unless otherwise noted. The versatility of Durasein® acrylic solid surface is exemplified by its inclusion in the following Product Classifications: 06 61 00 Wood, Plastics and Composites; 06 61 16 Solid Surfacing Fabrications; 07 42 63 Fabricated Wall Panel Assemblies; 07 46 63 Fabricated Panel Assemblies with Siding; 10 11 43 Visual Display Wall Panels; 10 14 00 Signage; 10 21 13 Toilet Compartments; 10 21 16 Shower and Dressing Compartments; 10 25 13 Patient Bed Service Walls; 11 42 16 Food Preparation Surfaces; 11 74 00 Dental Equipment; 12 35 00 Specialty Casework; 12 36 61.16 Solid Surfacing Countertops; 12 51 83 Custom Office Furniture; 13 12 00 Fountains; 13 21 13 Clean Rooms; 14 27 13 Custom Elevator Cab Finishes; 22 41 00 Residential Plumbing Fixtures; 22 42 00 Commercial Plumbing Fixtures and 22 43 00 Healthcare Plumbing Fixtures.

MANUFACTURER INFORMATION

MANUFACTURER: **GRL Industries LLC DBA DURASEIN**
ADDRESS: **7030 Quad Ave.**
Suite 3
Rosedale, MD 21237
COUNTRY: **USA**

WEBSITE: **www.durasein.com**
CONTACT NAME: **Dr. Michael A. Banks**
TITLE: **Code and Regulatory Compliance Director**
PHONE: **+1 8665096494 (Direct +1 7163981657)**
EMAIL: **michael.banks@durasein.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.