

HPD UNIQUE IDENTIFIER: 1062711296

CLASSIFICATION: 12 36 61.16 Solid Surfacing Countertops

PRODUCT DESCRIPTION: Durat® is a Polyester resin based solid surface material which contains pre-consumer plastic waste. Durat® solid surface is only delivered as sheets for interior decoration and boards. Durat® can be used to create seamless surfaces of any custom project. The material can be processed with woodworking tools.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

<p>Inventory Reporting Format</p> <p><input type="radio"/> Nested Materials Method</p> <p><input checked="" type="radio"/> Basic Method</p> <p>Threshold Disclosed Per</p> <p><input type="radio"/> Material</p> <p><input checked="" type="radio"/> Product</p>	<p>Threshold Level</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>Residuals/Impurities Evaluation</p> <p><input checked="" type="radio"/> Completed</p> <p><input type="radio"/> Partially Completed</p> <p><input type="radio"/> Not Completed</p> <p>Explanation(s) provided :</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>Characterized <input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p><i>Provided weight and role.</i></p> <p>Screened <input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p><i>Provided screening results using HPDC-approved methods.</i></p> <p>Identified <input checked="" type="radio"/> Yes <input 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.

PRODUCT | MATERIAL OR SUBSTANCE | RESIDUAL OR IMPURITY
GREENSCREEN SCORE | HAZARD TYPE
DURAT [ALUMINA TRIHYDRATE BM-2 | SKI | EYE POLYESTER NoGS
POLYMETHYL METHACRYLATE (PMMA) LT-P1 | RES]

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:

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: Emission Classification of Building Materials - M1
 CA Section 01350 (CHPS) Emission Test - CDPH/EHLB Standard Method V1.1 - Classroom & Office scenario: CA Section 01350 (CHPS) Emission Test - CDPH/EHLB Standard Method V1.1 - Classroom & Office scenario

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared
 VERIFIER:
 VERIFICATION #:

SCREENING DATE: 2023-11-16
 PUBLISHED DATE: 2023-11-16
 EXPIRY DATE: 2026-11-16

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

DURAT

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes

RESIDUALS AND IMPURITIES NOTES: No residuals or impurities are known or expected to be present in the final product that would trigger a GreenScreen score of BM-1, LT-1, or LT-P1, based on Supplier MSDS/SDS.

OTHER PRODUCT NOTES: Durat® is solid surface material consisting of fillers and pigments encapsulated in cured polyester resin. There are several possible colors for the product. Each color paste used (<1 % of the final product) has independent MSDS and classification according to EU REACH regulations, delivered by the manufacturer. According to the MSDS, color paste are not classified as hazardous substances or mixtures according to EC-directives 67/548/EEC or 1999/45/EC.

ALUMINA TRIHYDRATE

ID: 21645-51-2

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2023-11-16 12:39:50

%: 40.0000 - 60.0000

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 (C2CP II)

C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022

Biological and Environmentally Released Materials

RESTRICTED LIST

Cradle to Cradle Products Innovation Institute (C2CP II)

C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022

Children's Products

SUBSTANCE NOTES: Filler is encapsulated in the solid surface material and sheets and not in inhalable form.

POLYESTER

ID: 113669-95-7

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2023-11-16 12:39:50

%: 35.0000 - 45.0000

GreenScreen: NoGS

RC: UNK

NANO: No

SUBSTANCE ROLE: Binder

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: Cured unsaturated linear polyester resin. CAS# not available from the manufacturer. Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008, not classified as dangerous according to Directive 67/548/EEC (MSDS).

POLYMETHYL METHACRYLATE (PMMA)

ID: 9011-14-7

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2023-11-16 12:39:50**

%: **10.0000 - 30.0000** GreenScreen: **LT-P1** RC: **PreC** NANO: **No** SUBSTANCE ROLE: **Filler**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
RES	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced

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: PMMA filler in the solid surface material exists as granules, and hazard is only applicable for dust formed in fabrication of the sheets.

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

Emission Classification of Building Materials - M1

CERTIFYING PARTY: Second Party

ISSUE DATE: 2014-05-09

CERTIFIER OR LAB: Building Information Foundation RTS (Finland)

APPLICABLE FACILITIES: All manufacturing facilities.

EXPIRY DATE:

CERTIFICATE URL:

https://www.durat.com/fileadmin/user_upload/pdf/Durat_lp2218ENG.pdf

CERTIFICATION AND COMPLIANCE NOTES: NOTES: The tested product complies with the requirements of the M1 Protocol for Chemical and Sensory Testing of Building Materials as published by Rakennustietosäätiö (version 1.1.2014).

CA SECTION 01350 (CHPS) EMISSION TEST - CDPH/EHLB STANDARD METHOD V1.1 - CLASSROOM & OFFICE SCENARIO

CA Section 01350 (CHPS) Emission Test - CDPH/EHLB Standard Method V1.1 - Classroom & Office scenario

CERTIFYING PARTY: Self-declared

ISSUE DATE: 2014-05-09

CERTIFIER OR LAB: Eurofins

APPLICABLE FACILITIES: All manufacturing facilities.

EXPIRY DATE:

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: The tested product complies with the requirements of the Standard Method for the Testing and Evaluation of VOC Emissions from Indoor Sources using Environmental Chambers, version 1.1 of February 2010 by the California Department of Public Health.

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.

ANY POLYESTER GLUE SUITABLE FOR RESIN

MANUFACTURER (OR GENERIC): **Generic**

HPD URL: No HPD Available

ACCESSORY TYPE: Adhesive

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Terms and conditions of use appropriate for the selected product and following the MSDS of the product.

Section 5: General Notes

MANUFACTURER INFORMATION

MANUFACTURER: Durat
ADDRESS: Perämiehenkatu 12 E
 1. krs
 Helsinki, Uusimaa 00150
COUNTRY: Finland

WEBSITE: <https://www.durat.com/home/>
CONTACT NAME: CaraGreen
TITLE: Distributor
PHONE: 919-929-3009
EMAIL: info@caragreen.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 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

