

HPD UNIQUE IDENTIFIER: 22004

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

Inventory Reporting Format

- Nested Materials Method
- Basic Method

Threshold Disclosed Per

- Material
- Product

Threshold level

- 100 ppm
- 1,000 ppm
- Per GHS SDS
- Other

Residuals/Impurities

- Considered
- Partially Considered
- Not Considered

Explanation(s) provided for Residuals/Impurities?

- Yes
- No

All Substances Above the Threshold Indicated Are:

Characterized

- Yes Ex/SC
- Yes
- No

% weight and role provided for all substances.

Screened

- Yes Ex/SC
- Yes
- No

All substances screened using Priority Hazard Lists with results disclosed.

Identified

- Yes Ex/SC
- Yes
- No

All substances disclosed by Name (Specific or Generic) and 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.

MATERIAL | SUBSTANCE | RESIDUAL OR IMPURITY

GREENSCREEN SCORE | HAZARD TYPE

DURAT [ ALUMINA TRIHYDRATE BM-2 POLYESTER NoGS POLYMETHYL METHACRYLATE (PMMA) LT-P1 | RES ]

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

Contents highest concern GreenScreen Benchmark or List translator Score ... 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

Other: 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: 2020-09-30

PUBLISHED DATE: 2020-09-30

EXPIRY DATE: 2023-09-30

## 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 2.2, available on the HPDC website at: [www.hpd-collaborative.org/hpd-2-2-standard](http://www.hpd-collaborative.org/hpd-2-2-standard)

### DURAT

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: 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 SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-09-30

%: 40.0000 - 60.0000

GS: BM-2

RC: None

NANO: No

SUBSTANCE ROLE: Flame retardant

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

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

#### POLYESTER

ID: 113669-95-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-09-30

%: 35.0000 - 45.0000

GS: NoGS

RC: UNK

NANO: No

SUBSTANCE ROLE: Binder

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority 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 SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-09-30

%: 10.0000 - 30.0000

GS: LT-P1

RC: PreC

NANO: No

SUBSTANCE ROLE: Filler

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

RESPIRATORY

AOEC - Asthmagens

Asthmagen (Rs) - sensitizer-induced

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** EXPIRY DATE:

CERTIFIER OR LAB: **Building Information Foundation RTS (Finland)**

APPLICABLE FACILITIES: **All manufacturing facilities.**

CERTIFICATE URL:

[https://www.durat.com/fileadmin/user\\_upload/pdf/Durat\\_lp2218ENG.pdf](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).**

### OTHER

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

CERTIFYING PARTY: **Self-declared**

ISSUE DATE: **2014-05-09** EXPIRY DATE:

CERTIFIER OR LAB: **Eurofins**

APPLICABLE FACILITIES: **All manufacturing facilities.**

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: **The tested product complies with the requirements of 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

HPD URL: **No HPD link provided**

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, Finland**  
 WEBSITE: <https://www.durat.com/home/>

CONTACT NAME: **CaraGreen**  
 TITLE: **Distributor**  
 PHONE: **919-929-3009**  
 EMAIL: [info@caragreen.com](mailto: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

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

### GreenScreen (GS)

<b>BM-4</b> Benchmark 4 (prefer-safer chemical)	<b>LT-1</b> List Translator 1 (Likely Benchmark-1)
<b>BM-3</b> Benchmark 3 (use but still opportunity for improvement)	<b>LT-UNK</b> List Translator Benchmark Unknown (the chemical is present on at least one GreenScreen Specified List, but the information contained within the list did not result in a clear mapping to a LT-1 or LTP1 score.)
<b>BM-2</b> Benchmark 2 (use but search for safer substitutes)	<b>NoGS</b> No GreenScreen.
<b>BM-1</b> Benchmark 1 (avoid - chemical of high concern)	
<b>BM-U</b> Benchmark Unspecified (due to insufficient data)	
<b>LT-P1</b> List Translator Possible 1 (Possible Benchmark-1)	

### Recycled Types

**PreC** Pre-consumer recycled content  
**PostC** Post-consumer recycled content  
**UNK** Inclusion of recycled content is unknown  
**None** Does not include recycled content

### Other Terms:

**GHS SDS** Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

### Inventory Methods:

**Nested Method / Material Threshold** Substances listed within each material per threshold indicated per material  
**Nested Method / Product Threshold** Substances listed within each material per threshold indicated per product  
**Basic Method / Product Threshold** Substances listed individually per threshold indicated per product

**Nano** Composed of nano scale particles or nanotechnology  
**Third Party Verified** Verification by independent certifier approved by HPDC  
**Preparer** Third party preparer, if not self-prepared by manufacturer  
**Applicable facilities** Manufacturing sites to which testing applies

*The Health Product Declaration (HPD) Open Standard provides for the disclosure of product contents and potential associated human and environmental health hazards. Hazard associations are based on the HPD Priority Hazard Lists, the GreenScreen List Translator™, and when available, full GreenScreen® assessments. The HPD Open Standard v2.1 is not:*

- a method for the assessment of exposure or risk associated with product handling or use,
- a method for assessing potential health impacts of: (i) substances used or created during the manufacturing process or (ii) substances created after the product is delivered for end use.

*Information about life cycle, exposure and/or risk assessments performed on the product may be reported by the manufacturer in appropriate Notes sections, and/or, where applicable, in the Certifications section.*

*The HPD Open Standard was created and is supported by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry that is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.*

*The product manufacturer and any applicable independent verifier are solely responsible for the accuracy of statements and claims made in this HPD and for compliance with the HPD standard noted.*