

EnviroScreen by Verosol

Health Product Declaration v2.3

created via: HPDC Online Builder

HPD UNIQUE IDENTIFIER: 2695238411264

CLASSIFICATION: 12 21 00 Window Blinds

PRODUCT DESCRIPTION: EnviroScreen 802 is a metallized polyester screen for roller blinds / roller shades. Cradle to Cradle certified. Combines a high reflectance of heat from sunlight with a good (one-way) view through. Provides heat insulation thanks to the low-emissivity coating. Made out of polyester yarns with a textile appearance. Flame Retardant. High environmental standard. Recyclable.

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 Evaluation

- ☒ Completed
☐ Partially Completed
☐ Not Completed

Explanation(s) provided :

- ☒ Yes ☐ No

For all contents above the threshold, the manufacturer has:

Characterized ☒ Yes ☐ No

Provided weight and role.

Screened ☒ Yes ☐ No

Provided screening results using HPDC-approved methods.

Identified ☐ Yes ☒ 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.

PRODUCT | MATERIAL OR SUBSTANCE | RESIDUAL OR IMPURITY
GREENSCREEN SCORE | HAZARD TYPE
ENVIROSCREEN | POLYESTER FIBERS NoGS POLYURETHANE LT-P1 | MAM | EYE | AQU UNDISCLOSED NoGS ALUMINUM (PRIMARY CASRN IS 7429-90-5) BM-1 | END | MAM | PHY ANTIMONY TRIOXIDE BM-1 | MUL | CAN | SKI | EYE | MAM | AQU]

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:

Environmental friendly Blind / Shading fabric based on woven polyester with a reflective aluminum coating. EnviroScreen is compliant to Cradle to Cradle Bronze v3, REACH, Oekotex 100 class IV, Greenguard Gold, ISO14001 and RoHS2. PVC-free, phthalate-free, halogen-free, free of bromine based and antimony trioxide based flame retardants, biocides-free. Remark: EnviroScreen types 803 and 804 are similar to EnviroScreen 802 but without the reflective aluminium coating. Type 803 is coloured on 1 side. Type 804 is coloured on 2 sides.

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: UL/GreenGuard Gold Certified
Multi-attribute: C2CPH Material Health Certificate - Bronze (V3.1)
Multi-attribute: OEKO-TEX Standard 100
Management: ISO 14001:2004 Environmental management systems

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Option 1.
Pre-checked for LEED v4.1 Option 1.

Third Party Verified?

- ☐ Yes
☒ No

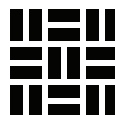
PREPARER: Self-Prepared

VERIFIER:
VERIFICATION #:

SCREENING DATE: 2025-02-13

PUBLISHED DATE: 2025-02-13

EXPIRY DATE: 2028-02-13



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

ENVIROSCREEN

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were screened using the toxnet database. This is a database of peer-reviewed scientific work. Residuals and impurities were listed at the substance level if any were noted. The noting of impurities does not conclude that they are present in the product's raw materials. The actual raw materials were not tested therefore the actual presence of impurities is unknown. They are listed in this HPD for reference only.

OTHER PRODUCT NOTES: Type 802: Woven polyester fabric with aluminium reflective coating

Type 803: Similar to type 802, but without aluminium coating

Type 804: Similar to type 802, but without aluminium coating and 2 sides coloured

POLYESTER FIBERS

ID: 80595-68-2

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2025-02-13 2:40:07

%: 95.0000 - 97.0000

GreenScreen: NoGS

RC: None

NANO: No

SUBSTANCE ROLE: Textile component

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: Polyester filament yarns. Residual and impurities were screened using the toxnet database (<https://toxnet.nlm.nih.gov>). None were noted.

The available data on impurities of PET are from studies using bottles and food containers made up of PET and PET copolymers.

Under different experimental conditions, ethylene glycol and other monomers/processing aids have been detected. In most cases, the number of impurities detected was greatest in cases

of short time exposures and the level decreased with time. Whether the impurities broke down or were reabsorbed was not addressed.

Heat increases the amount of antimony (catalyst) that leaches into the contents of bottles and food packages. In

all cases, the amount is small.

POLYURETHANE

ID: 64440-88-6

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2025-02-13 2:40:07

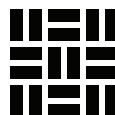
%: 1.0000 - 5.0000

GreenScreen: LT-P1

RC: None

NANO: No

SUBSTANCE ROLE: Binder



HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
MAM	GHS - Japan	H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]
EYE	GHS - Japan	H318 - Causes serious eye damage [Serious eye damage / eye irritation - Category 1]
MAM	GHS - Japan	H371 - May cause damage to organs [Specific target organs/systemic toxicity following single exposure - Category 2]
AQU	GHS - Japan	H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]
AQU	GHS - Japan	H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]
MAM	GHS - Japan	H330 - Fatal if inhaled [Acute toxicity (inhalation: dust, mist) - Category 2]
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists
SUBSTANCE NOTES: Polyurethane Dispersion. Residual and impurities were screened using the toxnet database (https://toxnet.nlm.nih.gov). None were noted.		

UNDISCLOSED

ID: **Undisclosed**

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2025-02-13 2:40:08		
%: 1.0000 - 5.0000	GreenScreen: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Flame retardant	
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	Green Science Policy Institute (GSPI)		GSPI - Six Classes Precautionary List		
			Flame Retardants		
SUBSTANCE NOTES: Residuals and impurities were screened using the toxnet database. None were noted.					

ALUMINUM (PRIMARY CASRN IS 7429-90-5)

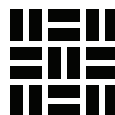
ID: **477951-22-7**

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2025-02-13 2:40:08		
%: 0.1000 - 0.2000	GreenScreen: BM-1	RC: None	NANO: No	SUBSTANCE ROLE: Reflectance	

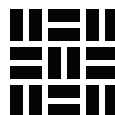
HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]
MAM	GHS - Japan	H370 - 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 - Australia	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 (C2CP1I)	C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Biological and Environmentally Released Materials
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CP1I)	C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Children's Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CP1I)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2024 Children's Toy Products

SUBSTANCE NOTES: High purity metallic aluminum coating applied by Physical Vapor Deposition. This high purity aluminum is free of impurities to .01%.
Adhesion according to ISO 2409 classification 0 (no detachment of coating).
Residuals and impurities were screened using the toxnet database. All impurities are noted.

ANTIMONY TRIOXIDE				ID: 1309-64-4
HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2025-02-13 2:40:09		
%: 0.0000 - 0.0300	GreenScreen: BM-1	RC: UNK	NANO: No	SUBSTANCE ROLE: Impurity/Residual

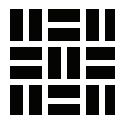


HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
MUL	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
CAN	CA EPA - Prop 65	Carcinogen
CAN	IARC	Group 2b - Possibly carcinogenic to humans
CAN	MAK	Carcinogen Group 2 - Considered to be carcinogenic for man
CAN	US NIH - Report on Carcinogens	Reasonably Anticipated to be Human Carcinogen
CAN	IARC	Group 2a - Agent is probably Carcinogenic to humans
CAN	GHS - Japan	H350 - May cause cancer [Carcinogenicity - Category 1B]
CAN	EU - GHS (H-Statements) Annex 6 Table 3-1	H351 - Suspected of causing cancer [Carcinogenicity - Category 2]
SKI	GHS - New Zealand	Skin irritation category 2
EYE	GHS - New Zealand	Eye irritation category 2
CAN	GHS - New Zealand	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]
MAM	GHS - New Zealand	Specific target organ toxicity - repeated exposure category 1
CAN	EU - Annex VI CMRs	Carcinogen Category 2 - Suspected human Carcinogen
MAM	GHS - Japan	H371 - May cause damage to organs [Specific target organs/systemic toxicity following single exposure - Category 2]
SKI	GHS - Korea	H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1]
AQU	GHS - Korea	H411 - Toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 2]
CAN	GHS - Australia	H351 - Suspected of causing cancer [Carcinogenicity - Category 2]
CAN	GHS - Korea	H351 - Suspected of causing cancer [Carcinogenicity - 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 Certain Metals
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CP II)	C2C Certified v4.0 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 v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Children's Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CP II)	C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Cosmetics & Personal Care Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CP II)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2024 Children's Toy Products

SUBSTANCE NOTES: Antimony trioxide is a common residual substance in polyester. The substance is locked into the polyester fibres. For the application of roller blinds leaching of this substance is not the case.
The concentration level of antimony trioxide in EnviroScreen is acceptable for certification according to Cradle-2-Cradle Bonze v3.1 and Oekotex 100.



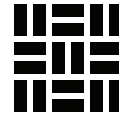
Section 3: Certifications and Compliance

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		UL/GreenGuard Gold Certified	
CERTIFYING PARTY: Third Party	ISSUE DATE: 2008-09-15 00:00:00	CERTIFIER OR LAB: UL	
APPLICABLE FACILITIES: All	EXPIRY DATE:		
CERTIFICATE URL: https://spot.ul.com/			
CERTIFICATION AND COMPLIANCE NOTES: Certificate 297593-420. This certificate is annually prolonged in January.			
MULTI-ATTRIBUTE		C2CPH Material Health Certificate - Bronze (V3.1)	
CERTIFYING PARTY: Third Party	ISSUE DATE: 2015-10-05 00:00:00	CERTIFIER OR LAB: EIG	
APPLICABLE FACILITIES: All	EXPIRY DATE: 2026-09-08 00:00:00		
CERTIFICATE URL: https://www.c2ccertified.org/			
CERTIFICATION AND COMPLIANCE NOTES: EnviroScreen is Cradle to Cradle v.3 Certified Bronze. Certification number 7085.			
MULTI-ATTRIBUTE		OEKO-TEX Standard 100	
CERTIFYING PARTY: Third Party	ISSUE DATE: 2008-03-31 00:00:00	CERTIFIER OR LAB: Hohenstein	
APPLICABLE FACILITIES: All	EXPIRY DATE:		
CERTIFICATE URL: https://www.oeko-tex.com			
CERTIFICATION AND COMPLIANCE NOTES: OEKO-TEX Standard 100 Class IV Certificate 15.HNL.57853. This certificate is annually prolonged in March.			
MANAGEMENT		ISO 14001:2004 Environmental management systems	
CERTIFYING PARTY: Third Party	ISSUE DATE: 2018-02-01 00:00:00	CERTIFIER OR LAB: TUV	
APPLICABLE FACILITIES: All	EXPIRY DATE:	Rheinland	
CERTIFICATE URL: https://www.tuv.com			
CERTIFICATION AND COMPLIANCE NOTES: This certificate is annually prolonged in February.			
MULTI-ATTRIBUTE		REACH European Union Regulation (EC) 1907/2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals	
CERTIFYING PARTY: Self-declared	ISSUE DATE: 2019-12-19 00:00:00	CERTIFIER OR LAB: none	
APPLICABLE FACILITIES: All	EXPIRY DATE:		
CERTIFICATE URL: https://echa.europa.eu/			
CERTIFICATION AND COMPLIANCE NOTES:			
MULTI-ATTRIBUTE		ROHS 2-2011/65/EU Restriction of Hazardous Substances Directive	
CERTIFYING PARTY: Self-declared	ISSUE DATE: 2019-12-19 00:00:00	CERTIFIER OR LAB: none	
APPLICABLE FACILITIES: All	EXPIRY DATE:		
CERTIFICATE URL:			
CERTIFICATION AND COMPLIANCE NOTES:			

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.



ENVIROSCREEN

MANUFACTURER (OR GENERIC): **Kvadrat Shade**

HPD URL: <https://www.kvadrat.dk/en/kvadrat-shade>

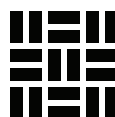
ACCESSORY TYPE: Installation Accessory

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Maintenance: Dust can be removed with a soft feather duster or by vacuum-cleaning with a soft brush at the lowest position.

Section 5: General Notes

EnviroScreen 802 distinguishes itself from competitor products:

- The greener choice: free from PVC, plasticizers, halogens, biocides and toxic flame retardants.
- Cradle 2 Cradle and other environmental certifications
- High solar reflectance thanks to the metal coating
- Low-E coating as heat barrier
- Visual comfort and one-way view through
- High energy saving potential by reducing solar heat gain
- FR meets the highest fire safety standards
- EnviroScreen types 803 and 804 are without the reflecting metal coating



Section 6: References

MANUFACTURER INFORMATION

MANUFACTURER: **Verosol**
 ADDRESS: **Verosol**
Kieffe 18
Eibergen, Gelderland 7151HZ
 COUNTRY: **Netherlands**

WEBSITE: **www.kvadrat.dk/en/kvadrat-shade**
 CONTACT NAME: **Robert Kuipers**
 TITLE: **manager R&D**
 PHONE: **+31545463333**
 EMAIL: **r.kuipers@kvadratshade.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
CAN Cancer
DEV Developmental toxicity
END Endocrine activity
EYE Eye irritation/corrosivity
GEN Gene mutation
GLO Global warming

LAN Land toxicity
MAM Mammalian/systemic/organ toxicity
MUL Multiple
NEU Neurotoxicity
NF Not found on Priority Hazard Lists
OZO Ozone depletion
PBT Persistent, bioaccumulative, and toxic

PHY Physical hazard (flammable or reactive)
REP Reproductive
RES Respiratory sensitization
SKI Skin sensitization/irritation/corrosivity
UNK Unknown

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)
BM-3 Benchmark 3 (use but still opportunity for improvement)
BM-2 Benchmark 2 (use but search for safer substitutes)
BM-1 Benchmark 1 (avoid - chemical of high concern)
BM-U Benchmark Unspecified (due to insufficient data)

LT-P1 List Translator Possible 1 (Possible Benchmark-1)
LT-1 List Translator 1 (Likely Benchmark-1)
LT-UNK List Translator Benchmark Unknown
NoGS No GreenScreen.

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 HPD and for compliance with the HPD standard noted.

EnviroScreen

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