



EnviroScreen by Verosol

Health Product Declaration v2.1.1

created via: HPDC Online Builder

CLASSIFICATION: 12 24 3.00 FURNISHINGS : ROLLER WINDOW SHADES

PRODUCT DESCRIPTION: EnviroScreen 802: 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-E 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
- Per OSHA MSDS
- 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
One or more substances not disclosed by Name (Specific or Generic) and Identifier and/ or one or more Special Condition did not follow guidance.

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

ENVIROSCREEN | POLYESTER FIBERS NoGS POLYURETHANE LT-P1
UNDISCLOSED NoGS ALUMINUM (PRIMARY CASRN IS 7429-90-5) BM-1 |
RES | PHY | END]

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

Contents highest concern GreenScreen Benchmark or List translator Score ... 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: C2CPII 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 Material Ingredients, Option 1

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared

VERIFIER:
VERIFICATION #:

SCREENING DATE: 2020-05-12

PUBLISHED DATE: 2020-05-12

EXPIRY DATE: 2023-05-12



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 2.1.1, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-1-1-standard

ENVIROSCREEN

PRODUCT THRESHOLD: 100 ppm

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

HAZARD SCREENING DATE: 2020-05-12

%: 95.00 - 97.00 GS: NoGS RC: None NANO: No ROLE: base fabric

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority 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

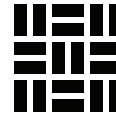
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-05-12

%: 1.00 - 5.00 GS: LT-P1 RC: None NANO: No ROLE: finish

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Polyurethane Dispersion. Residual and impurities were screened using the toxnet database (<https://toxnet.nlm.nih.gov>). None were noted.



UNDISCLOSED

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-05-12		
%: 1.00 - 5.00	GS: NoGS	RC: None	NANO: No	ROLE: Flame Retardant
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
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 SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-05-12		
%: 0.10 - 0.20	GS: BM-1	RC: None	NANO: No	ROLE: Reflective coating
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced		
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H261 - In contact with water releases flammable gases		
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor		
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H228 - Flammable solid		

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.



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	EXPIRY DATE: 2020-09-15	CERTIFIER OR LAB: UL
APPLICABLE FACILITIES: All			
CERTIFICATE URL: https://spot.ul.com/			
CERTIFICATION AND COMPLIANCE NOTES: Certificate 5450-420. This certificate is annually prolonged. The expiry date is the prolongation date.			

MULTI-ATTRIBUTE	C2CPII Material Health Certificate - Bronze (V3.1)		
CERTIFYING PARTY: Third Party	ISSUE DATE: 2015-10-05	EXPIRY DATE: 2022-03-11	CERTIFIER OR LAB: EIG
APPLICABLE FACILITIES: All			
CERTIFICATE URL: https://www.c2ccertified.org/			
CERTIFICATION AND COMPLIANCE NOTES: EnviroScreen is Cradle to Cradle v.3 Certified Bronze			

MULTI-ATTRIBUTE	OEKO-TEX Standard 100		
CERTIFYING PARTY: Third Party	ISSUE DATE: 2008-03-31	EXPIRY DATE: 2021-03-31	CERTIFIER OR LAB: Hohenstein
APPLICABLE FACILITIES: All			
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. The expiry date is the prolongation date.			

MANAGEMENT	ISO 14001:2004 Environmental management systems		
CERTIFYING PARTY: Third Party	ISSUE DATE: 2018-02-01	EXPIRY DATE: 2021-02-20	CERTIFIER OR LAB: TUV Rheinland
APPLICABLE FACILITIES: All			
CERTIFICATE URL: https://www.tuv.com			
CERTIFICATION AND COMPLIANCE NOTES: This certificate is annually prolonged. The expiry date is the prolongation date.			

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	EXPIRY DATE:	CERTIFIER OR LAB: none
APPLICABLE FACILITIES: All			
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	EXPIRY DATE:	CERTIFIER OR LAB: none
APPLICABLE FACILITIES: All			
CERTIFICATE URL:			
CERTIFICATION AND COMPLIANCE NOTES:			

EnviroScreen
hpdrepository.hpd-collaborative.org



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

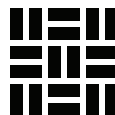
HPD URL: <https://verosol.com/>

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**
Kieftte 18
Eibergen Gelderland 7151HZ, Netherlands
WEBSITE: **www.verosol.com**

CONTACT NAME: **Robert Kuipers**
TITLE: **manager R&D**
PHONE: **+31545463333**
EMAIL: **r.kuipers@verosol.com**

KEY

OSHA MSDS Occupational Safety and Health Administration Material Safety Data Sheet
GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

Hazard Types

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

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)	LT-P1 List Translator Possible Benchmark 1
BM-3 Benchmark 3 (use but still opportunity for improvement)	LT-1 List Translator Likely Benchmark 1
BM-2 Benchmark 2 (use but search for safer substitutes)	LT-UNK List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)
BM-1 Benchmark 1 (avoid - chemical of high concern)	NoGS Unknown (no data on List Translator Lists)
BM-U Benchmark Unspecified (insufficient data to benchmark)	

Recycled Types

PreC Preconsumer (Post-Industrial)
PostC Postconsumer
Both Both Preconsumer and Postconsumer
Unk Inclusion of recycled content is unknown
None Does not include recycled content

Other Terms

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.