

# SilverScreen 2% and 4% by Verosol™

# Health Product Declaration v2.0

CLASSIFICATION: 12 24 3.00 FURNISHINGS: ROLLER WINDOW SHADES

created via: HPDC Online Builder

PRODUCT DESCRIPTION: SILVERSCREEN: METALLIZED PVC-COATED GLASS FIBER SCREEN FOR ROLLER BLINDS / SHADES. VERY HIGH PERFORMANCE OF SOLAR HEAT GAIN COEFFICIENT, THERMAL INSULATION AND VIEW THROUGH THANKS TO THE REFLECTIVE ALUMINUM COATING. FLAME RETARDANT. ENVIRONMENTAL STANDARDS: GREENGUARD GOLD, ROHS2, ECOSPECIFIER.

## Section 1: Summary

### CONTENT INVENTORY

- |  |  |
|--|--|
| Threshold per material                     | Residuals and impurities considered in 1 of 1 materials        |
| <input type="radio"/> 100 ppm              | <input checked="" type="radio"/> see Section 2: Material Notes |
| <input checked="" type="radio"/> 1,000 ppm | <input checked="" type="radio"/> see Section 5: General Notes  |
| <input type="radio"/> Per GHS SDS          |  |
| <input type="radio"/> Per OSHA MSDS        |  |
| <input type="radio"/> Other                |  |

Based on the selected Content Inventory Threshold:

- |   |                                  |                       |
|---|----------------------------------|-----------------------|
| Characterized.....  | <input checked="" type="radio"/> | <input type="radio"/> |
| Are the Percent Weight and Role provided for all substances?                    | Yes                              | No                    |
| Screened.....   | <input checked="" type="radio"/> | <input type="radio"/> |
| Are all substances screened using Priority Hazard Lists with results disclosed? | Yes                              | No                    |
| Identified.....   | <input checked="" type="radio"/> | <input type="radio"/> |
| Are all substances disclosed by Name (Specific or Generic) and Identifier?      | Yes                              | No                    |

### 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.

- Number of Greenscreen BM-4/BM3 contents..... 0
- Contents highest concern GreenScreen Benchmark or List translator Score..... LT-P1
- Nanomaterial..... No

**MATERIAL | SUBSTANCE | RESIDUAL OR IMPURITY**  
**GREENSCREEN SCORE | HAZARD TYPE**

SILVERSCREEN | PVC RELATED POLYMERS UNK GLASS FILAMENTS UNK  
1,2-BENZENEDICARBOXYLIC ACID, DINONYL ESTER, BRANCHED AND LINEAR  
LT-UNK | MUL | REP CALCIUM ZINC COMPLEX UNK FLAME RETARDANTS, NON-  
HALOGENATED, NON-ORGANOPHOSPHOROUS UNK POLYURETHANE LT-UNK  
ALUMINUM LT-P1 | RES | END | PHY ]

### INVENTORY AND SCREENING NOTES:

Blind / Shading fabric based on a woven structure of PVC-coated glass fibers with a reflective aluminum coating. SilverScreen is REACH and RoHS2 compliant.

### VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

### CERTIFICATIONS AND COMPLIANCE

VOC emissions: Greenguard and Greenguard Gold  
Other: RoHS2

See Section 3 for additional listings.

<input checked="" type="radio"/> Self-Published*	VERIFIER:	SCREENING DATE: March 10, 2017	EXPIRY DATE*: March 10, 2020
<input type="radio"/> Third Party Verified	VERIFICATION #:	RELEASE DATE: May 16, 2017	* or within 3 months of significant change in product contents
*See HPDC website for details			



## Section 2: Content in Descending Order of Quantity

This section lists materials in a product and the substances in each material based on the Inventory Threshold for each material. If residuals or impurities from the manufacturing or extraction processes are considered for a material, these are inventoried and characterized to the extent described in the Material and/or General Notes. Chemical substances are screened against the HPD Priority Hazard Lists for human and environmental health impacts. Screening is based on best available information; "Not Found" does not necessarily mean there is no potential hazard associated with the product or its contents. More information about Priority Hazard Lists and the GreenScreen can be found online: [www.hpd-collaborative.org](http://www.hpd-collaborative.org) and [www.greenscreenchemicals.org](http://www.greenscreenchemicals.org).

### SILVERSCREEN

#: 100.0000 - 100.0000 HPD URL: [www.verosol.com](http://www.verosol.com)

Inventory Threshold: 1000 ppm Residuals Considered: Yes

Material Notes:

#### PVC RELATED POLYMERS

ID:

#: 40.0000 - 60.0000 GS: UNK RC: UNK NANO: NO ROLE: Yarn coating

#### HAZARDS:

#### AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: polymer

#### GLASS FILAMENTS

ID:

#: 30.0000 - 40.0000 GS: UNK RC: UNK NANO: NO ROLE: Core of coated yarns

#### HAZARDS:

#### AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Continuous filament glass fiber, diameter > 6 micron.

#### 1,2-BENZENEDICARBOXYLIC ACID, DINONYL ESTER, BRANCHED AND LINEAR

ID: 68515-45-7

#: 10.0000 - 20.0000 GS: LT-UNK RC: None NANO: NO ROLE: Plasticizer

#### HAZARDS:

#### AGENCY(IES) WITH WARNINGS:

RESTRICTED LIST US EPA - PPT Chemical Action Plans EPA Chemical of Concern - Action Plan published

REPRODUCTIVE US EPA - PPT Chemical Action Plans Reproductive effects

SUBSTANCE NOTES:

#### CALCIUM ZINC COMPLEX

ID:

%: 1.0000 - 5.0000

GS: UNK

RC: UNK

NANO: NO

ROLE: Heat stabilizer

**HAZARDS:**

**AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

FLAME RETARDANTS, NON-HALOGENATED, NON-ORGANOPHOSPHOROUS

ID:

%: 1.0000 - 5.0000

GS: UNK

RC: None

NANO: NO

ROLE: Flame retardant

**HAZARDS:**

**AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

POLYURETHANE

ID: 64440-88-6

%: 1.0000 - 5.0000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Finishing

**HAZARDS:**

**AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Polyurethane Dispersion

%: 0.1000 - 0.5000	GS: LT-P1	RC: None	NANO: NO	ROLE: reflective coating
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**HAZARDS:****AGENCY(IES) WITH WARNINGS:**

RESPIRATORY	AOEC - Asthmagens	Asthmagen (ARs) - sensitizer-induced - inhalable forms only
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H228 - Flammable solid
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H250 - Catches fire spontaneously if exposed to air
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H261 - In contact with water releases flammable gases

SUBSTANCE NOTES: High purity metallic aluminum coating applied by Physical Vapor Deposition. Adhesion according to ISO 2409 classification 0 (no detachment of coating)



### 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**

CERTIFYING PARTY: Third Party  
 APPLICABLE FACILITIES: All  
 CERTIFICATE URL:  
 CERTIFICATION AND COMPLIANCE NOTES:

**Greenguard and Greenguard Gold**

ISSUE DATE: 2008-09-15      EXPIRY DATE: 2017-09-15      CERTIFIER OR LAB: UL Environment

**OTHER**

CERTIFYING PARTY: Self-declared  
 APPLICABLE FACILITIES:  
 CERTIFICATE URL:  
 CERTIFICATION AND COMPLIANCE NOTES: EnviroScreen Optimum is compliant to the restriction of Hazardous Substances Directive 2011/65/EU (RoHS2)

**RoHS2**

ISSUE DATE: 2016-03-23      EXPIRY DATE: 0000-00-00      CERTIFIER OR LAB:



### 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.

**MAINTENANCE****HPD URL: No HPD link provided**

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 lowest position. When intensive cleaning is required, the coloured side can be cleaned with a wet cloth.



### Section 5: General Notes

SilverScreen distinguishes itself from competitor products by having the most reflective coating in the market giving it the highest energy saving potential and visual comfort. SilverScreen meets the highest fire safety standards.



**MANUFACTURER INFORMATION**

MANUFACTURER: Verosol

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**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

<b>AQU</b> Aquatic toxicity	<b>GLO</b> Global warming	<b>PHY</b> Physical Hazard (reactive)
<b>CAN</b> Cancer	<b>MAM</b> Mammalian/systemic/organ toxicity	<b>REP</b> Reproductive toxicity
<b>DEV</b> Developmental toxicity	<b>MUL</b> Multiple hazards	<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>OZO</b> Ozone depletion	<b>LAN</b> Land Toxicity
<b>GEN</b> Gene mutation	<b>PBT</b> Persistent Bioaccumulative Toxic	<b>NF</b> Not found on Priority Hazard Lists

GreenScreen (GS)

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

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

**Nano** Composed of nanoscale particles or nanotechnology

Declaration Level

**Self-declared** Manufacturer's self-declaration (First Party)  
**Independent Lab** Manufacturer's self-declaration using results from an independent lab  
**Second Party** Verification by trade association or other interested party  
**Third Party** Verification by independent certifier  
**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 does not provide an assessment of health impacts throughout the product life cycle. It does not provide an assessment of exposure or risk associated with product handling or use. It also does not address potential health impacts of: (i) substances used or created during the manufacturing process unless they remain in the final product, or (ii) substances created after the product is delivered for end use (e.g., if the product burns, degrades, or otherwise changes chemical composition).

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

A disclosure completed in compliance with the HPD Open Standard is referred to as a "Health Product Declaration," or "HPD." 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 Open Standard noted.