

CLASSIFICATION: 09 77 00.00 FINISHES: SPECIAL WALL SURFACING

PRODUCT DESCRIPTION: VERSATILE ECHOPANEL® ACOUSTIC PANELS AND TILES ADD COLOR AND STYLE TO ANY SPACE WHILE ABSORBING EXTRA NOISE. ECHOPANEL® PANELS AND TILES ARE MANUFACTURED USING RECYCLED PET PLASTIC BOTTLES, ECO-FRIENDLY DYES AND NO ADDED ADHESIVE, RESULTING IN A GREEN TAG™-CERTIFIED PRODUCT WHICH CAN HELP GAIN LEED™ GREEN BUILDING CREDITS.

 Section 1: Summary

**CONTENT INVENTORY**

|   |   |  |
|---|---|--|
| <p>Threshold per material</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"/> Per OSHA MSDS</p> <p><input type="radio"/> Other</p> | <p>Residuals and impurities considered in 1 of 1 materials</p> <p><input checked="" type="radio"/> see Section 2: Material Notes</p> <p><input checked="" type="radio"/> see Section 5: General Notes</p> | <p>Based on the selected Content Inventory Threshold:</p> <p>Characterized..... <input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p>Are the Percent Weight and Role provided for all substances?</p> <p>Screened..... <input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p>Are all substances screened using Priority Hazard Lists with results disclosed?</p> <p>Identified..... <input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p>Are all substances disclosed by Name (Specific or Generic) and Identifier?</p> |
|---|---|--|

**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..... BM-1

Nanomaterial..... No

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

**ECHOPANEL [ POLYETHYLENE TEREPHTHALATE (PET) LT-UNK ZINC OXIDE BM-1 | AQU | RES | MUL ]**

**INVENTORY AND SCREENING NOTES:**

This Health Product Declaration (HPD) was completed in accordance with the HPD Standard version 2.0, and discloses hazards associated with all substances present at or above 1000 parts per million (ppm), along with the role and percent by weight in the finished product. Therefore, this HPD qualifies for the LEED v4 MR credit Building Product Disclosure and Optimization: Material Ingredient Reporting (Option 1).

**VOLATILE ORGANIC COMPOUND (VOC) CONTENT**

VOC Content data is not applicable for this product category.

**CERTIFICATIONS AND COMPLIANCE**

VOC emissions: Emission Test Certificate  
Multi-attribute: GreenTag 3.1 - Gold - GreenRate Level A  
Recycled content: Global Recycle Standard (GRS) Version 2.1  
LCA: Life Cycle Assessment

See Section 3 for additional listings.

|  |                 |                                   |  |
|--|-----------------|-----------------------------------|--|
| <input checked="" type="radio"/> Self-Published* | VERIFIER:       | SCREENING DATE: December 16, 2016 | EXPIRY DATE*: December 28, 2019                                |
| <input type="radio"/> Third Party Verified       | VERIFICATION #: | RELEASE DATE: December 28, 2016   | * 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).

### ECHOPANEL

#: 100.0000

HPD URL:

Inventory Threshold: 1000 ppm

Residuals Considered: Yes

Material Notes: Residuals or impurities with the potential to be present at or above 1000 ppm that would trigger a Benchmark 1, LT-1 or LT-P1 score have been disclosed, as predicted by process chemistry (Pharos CML). We are working with our supplier to better understand any residuals/impurities that may actually exist in this product at or above the Inventory Threshold indicated. This HPD will be updated when more information becomes available.

### POLYETHYLENE TEREPHTHALATE (PET)

ID: 25038-59-9

#: 100.0000

GS: LT-UNK

RC: PostC

NANO: NO

ROLE: Substrate:  
Provides structure,  
rigidity

#### HAZARDS:

#### AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: EchoPanel is made with up to 60 percent post-consumer recycled PET from a variety of sources (e.g. PET bottles). Certificate of Compliance for recycled fibres, as inspected and assessed according to the Global Recycle Standard (GRS) Version 2.1 (Control Union Certifications; 12 August 2013).

### ZINC OXIDE

ID: 1314-13-2

#: Impurity/Residual

GS: BM-1

RC: None

NANO: NO

ROLE: Impurity/Residual

#### HAZARDS:

#### AGENCY(IES) WITH WARNINGS:

ACUTE AQUATIC

EU - R-phrases

R50 - Very Toxic to Aquatic Organisms

RESPIRATORY

AOEC - Asthmagens

Asthmagen (ARs) - sensitizer-induced - inhalable forms only

ACUTE AQUATIC

EU - GHS (H-Statements)

H400 - Very toxic to aquatic life

CHRON AQUATIC

EU - GHS (H-Statements)

H410 - Very toxic to aquatic life with long lasting effects

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

SUBSTANCE NOTES: Potential Residual of PET, as listed by Pharos CML. We are working with our supplier to confirm if this substance is actually present in this product at or above the Inventory Threshold indicated; this HPD will be updated when more information becomes available.

## 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.

### MULTI-ATTRIBUTE

CERTIFYING PARTY: Third Party  
APPLICABLE FACILITIES: Woven Image, NSW AUSTRALIA  
CERTIFICATE URL: <http://www.ecospecifier.com.au/products/detailed-assessment/?prodid=8448>

CERTIFICATION AND COMPLIANCE NOTES: GreenTag LCARate Gold GreenRate Level A Certified rigid 60% recycled PET panelling products suitable for acoustic and privacy screen applications in commercial workstation, partitioning, wall and ceiling systems. Available thicknesses: 7mm (plain and printed), 12mm (plain and printed) and 24mm (plain only). The products have achieved GreenRate Level A for GBCA Design and As Built v1 and Interiors v1 Sustainable Products third party certification. The products are GreenTag LCARate Gold Certified achieving the GreenTag EcoPoint score of 0.44 (12mm), 0.47 (7mm) and 0.39 (24mm).

### GreenTag 3.1 - Gold - GreenRate Level A

| ISSUE DATE: | EXPIRY DATE: | CERTIFIER OR LAB:       |
|-------------|--------------|-------------------------|
| 2015-04-20  | 2017-04-20   | Global GreenTag Pty Ltd |

### RECYCLED CONTENT

CERTIFYING PARTY: Self-declared  
APPLICABLE FACILITIES: Woven Image, NSW, AUSTRALIA  
CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: Polyethylene terephthalate (PET), Post-consumer recycled content (Fibres).

### Global Recycle Standard (GRS) Version 2.1

| ISSUE DATE: | EXPIRY DATE: | CERTIFIER OR LAB:            |
|-------------|--------------|------------------------------|
| 2013-08-12  | 0000-00-00   | Control Union Certifications |

### LCA

CERTIFYING PARTY: Self-declared  
APPLICABLE FACILITIES: Woven Image, NSW AUSTRALIA  
CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: The study assessed environmental impacts over a 6-stage cycle from cradle to grave. This study considers the life-cycle environmental impacts of the 7mm, 12mm and 24mm thick EchoPanel® office partition or wall covering (plain and printed), the 1.9mm EchoPanel Mura®, and the 10mm and 24mm Phoenix office partitioning core fill board. The study followed the ISO and Australian BPIC building products level playing field guidelines for life cycle assessments, including the BPIC EcoPoints system to assess overall environmental impacts, including global warming, water use and non-renewable energy resource depletion. The Carbon Footprint listed above represents the average of the four products currently available from Kirei USA (EchoPanel 24mm board: 12.1 kgCO<sub>2</sub>-eq; EchoPanel 12mm board: 9.6-10.0 kgCO<sub>2</sub>-eq; EchoPanel 7mm board: 5.6-5.9 kgCO<sub>2</sub>-eq; EchoPanel Mura: 1.5 kgCO<sub>2</sub>-eq).

### Life Cycle Assessment

| ISSUE DATE: | EXPIRY DATE: | CERTIFIER OR LAB: |
|-------------|--------------|-------------------|
| 2014-06-27  | 0000-00-00   | Edge Environment  |

### VOC EMISSIONS

CERTIFYING PARTY: Self-declared  
APPLICABLE FACILITIES: Woven Image, NSW AUSTRALIA  
CERTIFICATE URL: [www.wovenimage.com/documents/pdf/echopanel\\_voc.pdf](http://www.wovenimage.com/documents/pdf/echopanel_voc.pdf)  
CERTIFICATION AND COMPLIANCE NOTES: Test Method: ASTM D5116 "Standard Guide for Small-Scale Environmental Chamber Determinations of Organic Emissions from Indoor Material/Products". Total VOC Emission Rate: <0.02 mg/m<sup>2</sup>/hr (7 days). "When this product is used in the typical manner in an office building the resulting airborne total volatile organic compound concentration can be less than 0.25 mg/m<sup>3</sup> as specified by Green Building Council of Australia Green Star Office Interiors IEQ-11."

### Emission Test Certificate

| ISSUE DATE: | EXPIRY DATE: | CERTIFIER OR LAB: |
|-------------|--------------|-------------------|
| 2008-01-13  | 0000-00-00   | CETEC Pty Ltd     |

## 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.

### ECHOSKY ALUMINUM RACK SYSTEM

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Required for installation of EchoSky racked baffle systems. Various sizes available according to the specification.

HPD URL: No HPD available

### VELCRO STRIPS

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Required for installation of EchoStar Acoustic Systems. 1-inch wide velcro strips to be attached to top of EchoPanel infield where necessary.

HPD URL: No HPD available

### ECHOSCREEN ALUMINUM CHANNEL

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Used for installation of EchoScreen dividers.

HPD URL: No HPD available

### MURA TILES CLIPS

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Plastic clip used during installation of Mura Tiles.

HPD URL: No HPD available

### PIVOT JOINERS

HPD URL: No HPD available

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: ABS plastic Pivot Joiners are used to connect EchoPanel Partitions. Pivot joiners fold 360-degrees for a variety of standing configurations, and enable pack-flat storage of complete systems when not in use.

**LOW-VOC CONSTRUCTION ADHESIVE**

**HPD URL: No HPD available**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Used for installation of Mura Tiles and other EchoPanel products, depending on specification.

**INSTALLATION HARDWARE**

**HPD URL: No HPD available**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Required for installation of various EchoPanel Systems components. For more information, see relevant Spec Sheets at <http://kireiusa.com/downloads-2/>



## Section 5: General Notes

The dyes used in EchoPanel acoustical panels and tiles fall well below the content inventory threshold declared for this product (1000 ppm), and are therefore not individually disclosed in this HPD. However, all dyes used in EchoPanel products meet or exceed the requirements of existing European legislation regarding the use of Azo-dyes.



### MANUFACTURER INFORMATION

MANUFACTURER: Kirei USA

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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

**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) BM-2  
Benchmark 2 (use but search for safer substitutes)

**LT-1** List Translator Likely Benchmark 1

**BM-1** Benchmark 1 (avoid - chemical of high concern)

**LT-UNK** List Translator Benchmark Unknown (insufficient  
information from List Translator lists to benchmark)

**BM-U** Benchmark Unspecified (insufficient data to benchmark)

**UNK** 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.