



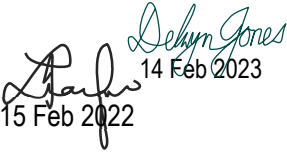
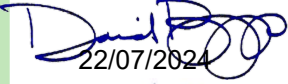

Global GreenTagEPD Program:
Compliant to EN15804+A2 2019



Vertilux Corporation Pty Ltd
Euroscreen® Eco Transparent Blind Fabric
22 Thomsons Rd, Keilor Park VIC 3042



Mandatory Disclosures

| | | |
|--|--|--|
| EPD type | Cradle to grave A1 to C4 + D | |
| EPD Numbers | VER TR05 2023EP | |
| Issue Date | 14 February 2023 | Valid Until 14 February 2028 |
| Demonstration of Verification | | |
| PCR | Standard EN 15804+A2 2019 serves as core Product Category Rules (PCR) [1] Sub PCR 2022 TEX V1 also applies [2]. | |
| <input checked="" type="checkbox"/> Internal |  LCA Developed by Delwyn Jones, The Evah Institute 14 Feb 2023 15 Feb 2022 LCA Reviewed by Direshti Naiker Ecquate Pty Ltd | |
| <input checked="" type="checkbox"/> External |  22/07/2024 EPD Reviewed by David Baggs, Global GreenTag Pty Ltd  14-02-2023 Third Party Verifier ^a Mathilde Vlieg Malaika LCT | |
| Communication | a. Independent external verification of the declaration and data, mandatory for business-to-consumer communication according to ISO 14025:2010 [2]. | |
| Comparability | This EPD discloses potential environmental outcomes compliant with EN 15804 for business-to-business communication. | |
| Reliability | Construction product EPDs may not be comparable if not EN15804 compliant. Different program EPDs may not be comparable. Comparability is further dependent on the product category rules and data source used. | |
| Owner | LCIA results are relative expressions that do not predict impacts on category endpoints, exceeding of thresholds, safety margins or risks. | |
| Explanations | This EPD is the property of the declared manufacturer. | |
| Explanations | Further explanatory information is available at info@globalgreentag.com or by contacting certification1@globalgreentag.com [3]. | |
| EPD Program Operator | LCA and EPD Producer | Declaration Owner |
| Global GreenTag Pty Ltd PO Box 311 Cannon Hill QLD 4170 Australia Phone: +61 (0)7 33 999 686 http://www.globalgreentag.com | Ecquate Pty Ltd PO Box 123 Thirroul NSW 2515 Australia Phone: +61 (0)7 5545 0998 http://www.evah.com.au | Vertilux Corporation Pty Ltd PO Box 611 Tullamarine, VIC 3043 Australia Phone: +61 (0) 3 9330 1577 https://www.vertilux.com.au |



Program Description

| | | | | | | | | | | | | | | | | | | | |
|-------------------------------|--|-----------|-------------|------------------|-----------|-----|----------|--------|---------|-----------|-------------|-----------|----------|-----------|------------------------------|---------------|-------|----------|-----------|
| EPD Scope | Cradle to grave A1 to C4 + D as defined by EN 15804 [1] | | | | | | | | | | | | | | | | | | |
| System boundary | The system boundary with nature includes material and energy acquisition, processing, manufacture, transport, installation, use plus waste arising to end of life. | | | | | | | | | | | | | | | | | | |
| Stages included | Operations A1 to D3 | | | | | | | | | | | | | | | | | | |
| Stages excluded | No operation was excluded but no flows arose in modules B4, B5, B6, B7 and C3. | | | | | | | | | | | | | | | | | | |
| Information Modules | Figure 1 depicts all modules being declared including some with zero results. Any module not declared (MND) does not indicate a zero result. | | | | | | | | | | | | | | | | | | |
| Model Information | Actual | | | Scenarios | | | | | | | | | | | Potential | | | | |
| Stages | Building Life Cycle Assessment | | | | | | | | | | | | | | | Supplementary | | | |
| Modules | Product | | | Construct | | Use | | | | | End-of-Life | | | | Benefit & load beyond system | | | | |
| Unit Operations | A1 | A2 | A3 | A4 | A5 | B1 | B2 | B3 | B4 | B5 | B6 | B7 | C1 | C2 | C3 | C4 | D1 | D2 | D3 |
| Cradle to grave phases | Resources | Transport | Manufacture | Transport | Construct | Use | Maintain | Repair | Replace | Refurbish | Energy use | Water use | Demolish | Transport | Process Waste | Disposal | Reuse | Recovery | Recycling |

Figure 1 EPD Life Cycle Modules Cradle to Grave

Data Sources

| | |
|-------------------------------|--|
| Primary Data | Data is from primary sources 2017 to 2022 including the manufacturer and suppliers' standards, logistics, technology, market share, management system in accordance with EN ISO 14044:2006, 4.3.2 [4]. All are physically allocated not economically allocated. |
| A1-A3 Stage inclusions | Operations include all known raw material acquisition, refining and processing plus scrap or material reuse from prior systems; electricity generated from all sources with extraction, refining & transport plus secondary fuel energy and recovery processes. Also, transport to factory gate; manufacture of inputs, ancillary material, product, packaging, maintenance, replacement plus flows leaving at end-of-waste boundary and fates of all flows at end of life |
| Variability | Significant differences of average LCIA results are declared. |
| Chemicals of Concern | Contains no substances in the European Chemicals Agency "Authorised or Candidate Lists of Substances of Very High Concern (SVHCs)". |

Data Quality

Data cut-off & quality criteria complies with EN 15804 [1] The LCA used background data aged <10 years and quality parameters tabled below.

| Background | Data Quality | Parameters and Uncertainty (U) | | | |
|--------------------|-----------------------------------|--|---------------|------------|------------|
| Correlation | Metric σ | U ±0.01 | U ±0.05 | U ±0.10 | U ±0.20 |
| Reliability | Reporting | Site Audit | Expert verify | Region | Sector |
| | Sample | >66% trend | >25% trend | >10% batch | >5% batch |
| Completion | Including | >50% | >25% | >10% | >5% |
| | Cut-off | 0.01%w/w | 0.05%w/w | 0.1%w/w | 0.5%w/w |
| Temporal | Data Age | <3 years | ≤5 years | <7.5 years | <10 years |
| | Duration | >3 years | <3 years | <2 years | 1 year |
| Technology | Typology | Actual | Comparable | In Class | Convention |
| Geography | Focus | Process | Line | Plant | Corporate |
| | Range | Continent | Nation | Plant | Line |
| | Jurisdiction | Representation is Global. Africa, North America, Europe, Pacific Rim | | | |

System Analysis Scope and Boundaries

Stages A1 to 3 model actual operations. Stage A4 to C4 are model scenarios.

Typical scenarios are assumed to forecast unit operations as described in the next section.

Figure 2. shows included processes in a cradle to grave system boundary to end of life fates reuse, recycling, or landfill grave beyond the boundary.

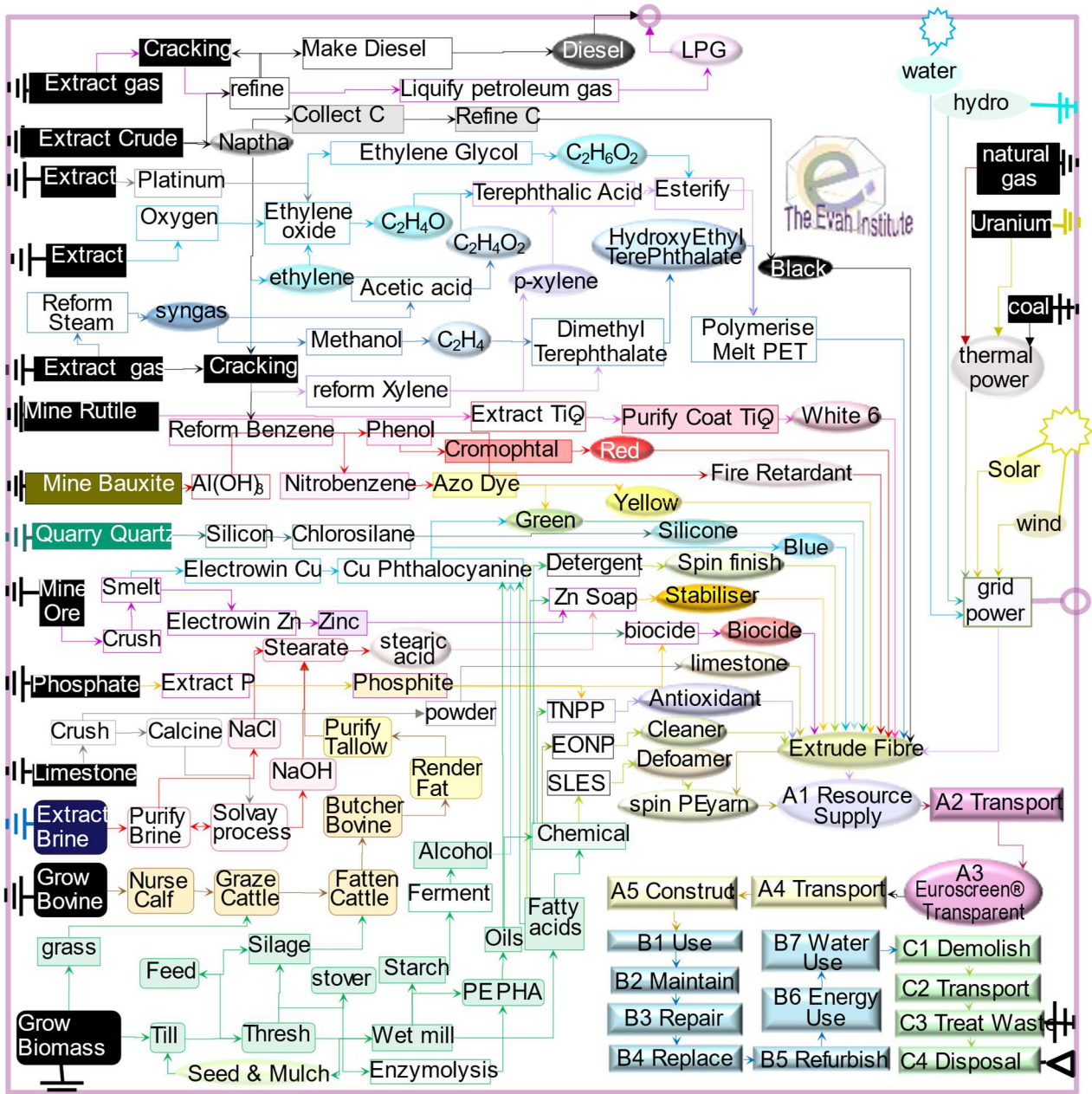


Figure 2. Product Process Flow Chart

Environmental Impact Terminology

Environmental impacts contributing to risks of social and ecological issues and collapse are tabled below with common names and remedies given for each indicator.

| | |
|---|---|
| <p>Global warming forcing Climate Change</p> | <p>Greenhouse gases absorb infra-red radiation. This heat reduces thermal energy differentials, from equator to poles, forcing ocean current and wind circulation to blend and regulate climate. Weakly blended “lumpier” weather has more frequent, extreme heat wave, fire-storm, cyclone, rain-storm, flood and blizzard events. Accumulation of carbon dioxide, natural gas methane, nitrous oxides and volatile organic compounds from burning fossil fuels causes global warming. Forest and wilderness growth absorbing air-borne carbon in biomass can drawdown such accumulation. Urgent renewable energy reliance is vital in time to avoid imminent tipping points and the worsening “climate emergency”.</p> |
| <p>Ozone layer depletion</p> | <p>Stratospheric ozone loss weakens the planet’s solar shield so more shorter wavelength ultraviolet (UVB) light reaching earth damages plants and increases malignant melanoma and skin cancer in humans and animals. Chlorofluorocarbons, hydrochlorofluorocarbons (HCFC), chlorobromomethane, hydrobromofluorocarbons, carbon tetrachloride, methyl chloroform, methyl bromide and halon gas cause ozone layer loss. To repair the “ozone hole” reliance on ozone-safe refrigerants, aerosols and solvents is essential to avoid further its depletion and enable accumulation of naturally-formed ozone.</p> |
| <p>Acidification</p> | <p>Acidification reduces soil and waterway pH, impedes nitrogen fixation vital for plant growth and inhibits natural decomposition. It increases rates and incidence of fish kills, forest loss and deterioration of buildings and materials. Chief synthetic causes of “acid rain” are emissions of sulphur and nitrogen oxides, hydrochloric and hydrofluoric acids and ammonia from burning fossil fuels polluting precipitation of rain and snow world-wide.</p> |
| <p>Eutrophication of terrestrial, freshwater and marine life</p> | <p>Eutrophication from excessively high macronutrient levels added to natural waters promotes excessive plant growth that severely reduces oxygen, water and habitat security for aquatic and terrestrial organisms across related ecosystems. Chief synthetic cause of “algal blooms” is nitrogen (N, NO_x, NH₄) and phosphorus (P, PO₄³⁻) in rain run-off over-fertilised land catchments.</p> |
| <p>Photochemical ozone creation</p> | <p>Tropospheric photochemical ozone, called “summer smog” near ground level, is created from natural and synthetic compounds in UV sunlight. Low concentration smog damages vegetation and crops. High concentration smog is hazardous to human health. Chief synthetic causes are nitrogen oxides, carbon monoxide and volatile organic compounds (VOC) pollutants. Avoiding reliance on dirtiest coal fuel and volatile chemicals has reduced smog incidence in many areas globally.</p> |
| <p>Depletion of minerals, metals & water</p> | <p>Abiotic depletion of finite mineral resources increases time, effort and money required to obtain more resources to the point of extinction of naturally viable reserves. This can limit access to available, valuable and scarce elements vital for human-life. The youth movement “extinction rebellion” calls on adults to secure climate, reserves and biodiversity for current and future generations.</p> |
| <p>Depletion of fossil fuel reserves</p> | <p>Abiotic depletion of resources by consuming finite oil, natural gas, coal and yellowcake fossil fuel reserves leaves current and future generations suffering limited available, accessible, plentiful, essential valuable as well as scarce raw material, medicinal, chemical, feedstock and fuel stock. Approaching “peak oil” acknowledged fossil fuel reserves are finite and the need for decision-makers to act to avoid market instability, insecurity and or oil and gas wars.</p> |

Glossary of Terms, Methods and Units

Acronyms, methods and units of impact potentials plus inventory inputs and outputs, are defined below

| Impact Potentials | Acronym | Description of Methods | Units |
|--|----------------------|-------------------------------------|----------------------------------|
| Climate Change fossil | GWP _{ff} | GWP fossil fuels [7] | kg CO _{2eq} |
| Climate Change biogenic | GWP _{bio} | GWP biogenic [7] | kg CO _{2eq} |
| Climate Change land use | GWP _{luluc} | GWP land use & change [7] | kg CO _{2eq} |
| Climate Change total | GWP _t | Global Warming Potential [7] | kg CO _{2eq} |
| Stratospheric Ozone Depletion | ODP | Stratospheric Ozone Loss [8] | kg CFC _{11eq} |
| Photochemical Ozone Creation | POCP | Summer Smog [9] | kg NMOC _{eq} |
| Acidification Potential | AP | Accumulated Exceedance [10] | mol H ⁺ _{eq} |
| Eutrophication Freshwater | EP _{fresh} | Excess nutrients freshwater [11] | kg P _{eq} |
| Eutrophication Marine | EP _{marine} | Excess marine nutrients [11] | kg N _{eq} |
| Eutrophication Terrestrial | EP _{land} | Excess Terrestrial nutrients [11] | mol N _{eq} |
| Mineral & Metal Depletion | ADP _{min} | Abiotic Depletion minerals [12] | kg Sb _{eq} |
| Fossil Fuel Depletion | ADP _{ff} | Abiotic Depletion fossil fuel [13] | MJ _{ncv} |
| Water Depletion | WDP | Water Deprivation Scarcity [14, 15] | m ³ _{WDP eq} |
| Fresh Water Net | FW | Lake, river, well & town water | m ³ |
| Secondary Material | SM | Post-consumer recycled (PCR) | kg |
| Secondary Renewable Fuel | RSF | PCR biomass burnt | MJ _{ncv} |
| Primary Energy Renewable Material | PERM | Biomass retained material | MJ _{ncv} |
| Primary Energy Renewable Not Feedstock | PERE | biomass fuels burnt | MJ _{ncv} |
| Primary Energy Renewable Total | PERT | Biomass burnt + retained | MJ _{ncv} |
| Secondary Non-renewable Fuel | NRSF | PCR fossil-fuels burnt | MJ _{ncv} |
| Primary Energy Non-renewable Material | PENRM | Fossil feedstock retained | MJ _{ncv} |
| Primary Energy Non-renewable Not Feedstock | PENRE | fossil-fuel used or burnt | MJ _{ncv} |
| Primary Energy Non-renewable Total | PENRT | Fossil feedstock & fuel use | MJ _{ncv} |
| Hazardous Waste Disposed | HWD | Reprocessed to contain risks | kg |
| Non-hazardous Waste Disposed | NHWD | Municipal landfill facility waste | kg |
| Radioactive Waste Disposed | RWD | Mostly ex nuclear power stations | kg |
| Components For Reuse | CRU | Product scrap for reuse as is | kg |
| Material For Recycling | MFR | Factory scrap to remanufacture | kg |
| Material For Energy Recovery | MER | Factory scrap use as fuel | kg |
| Exported Energy Electrical | EEE | Uncommon for building products | MJ _{ncv} |
| Exported Energy Thermal | EET | Uncommon for building products | MJ _{ncv} |

**Euroscreen® Eco Transparent Blind Fabric
VER TR05 2022EP**

Product Information

This section provides data required to calculate assessment results factoring different mass and periods.

| | |
|--|--|
| Brand Name & Code | Euroscreen® Eco Transparent |
| Range Names | Transparent blind fabric |
| Factory warranty | 7 years internal use only |
| Manufacturer, address and site representation | Textile cutting and dispatch: Verotex AG, Germany 95236 Stammbach. Dyeing: Textilveredlung Drechsel GmbH Lohmuehle 1 Germany95100 Selb. Fabric: SR Webatex GmbH Tunnelstr. 6 Germany-95448 Bayreuth. |
| Application | Window Coverings |
| Function in Building | Glare and light control designed for interior dry areas of all buildings |
| Lifetime [5,6] | 20 years Reference Service Life (RSL) [ISO 15686] |
| Declared unit | 1 kg = 285 grams/m ² 0.46mm thick, 3000mm wide declared product |
| Functional unit | 20 years use of a kilogram of Euroscreen Eco™ Transparent blind fabric. |

Product Components

This section summarises factory components, functions, source nation and % mass share. In product content listed below the % mass has a ±5% range and a confidence interval that is 90% certain to contain true population means at any time. Listing such 90±5% certainty considers normal resource acquisition, supply chain, sedimentation, seasonal, manufacturing and product colour variation over this EPD's 5-year validity period. This also allows for intellectual property protection whilst ensuring fullest possible transparency.

| Function | Component | Source | Amount |
|----------------------------|--------------------------------|---------|-----------|
| Fabric | 25% Recycled Polyester | Europe | >88 <91 |
| White pigment | Titanium Dioxide | Europe | >3.5 <4.0 |
| Vehicle | Melamine copolymer | Europe | >3.0 <3.2 |
| Colours & black | Organic pigment | Germany | >1.3 <1.4 |
| Plasticiser | Diethyl phthalate | Germany | >1.1 <1.3 |
| Solubiliser | C9 & C10 fatty acids saturated | Global | >1.1 <1.3 |
| Antioxidant & | Dimethylheptan3yl phenol | Europe | >1.1 <1.3 |
| Fire retarder | Nonyl Phenyl Phosphite | Europe | >0.3 <0.4 |
| Biocide | Nano Silver | Global | >0.1<0.2 |
| Packing | | | |
| Forms & packing | Cardboard and paper | Germany | >20 <28 |
| Caps & wrapping | Polyethylene | Germany | >0.5 <0.7 |
| Pallets | Wood | Germany | >0.5 <0.6 |
| Strapping | Polypropylene | Germany | >0.2 <0.4 |

Product Functional & Technical Performance Information

This section provides manufacturer specifications and additional information

| | |
|-------------------------------|---|
| Specifications | https://www.vertilux.com.au/blind_fabrics/eurovision-transparent/ |
| Practices Reference | http://www.vertilux.com.au/materials/blind-fabrics |
| Installation Procedure | http://www.blindsinstallationguide.com.au |
| Practicality | A transparent fabric designed to reduce heat, light glare and harmful UV rays. It helps maintain indoor comfort, energy efficiency and clear views. |
| Fire Classification | AWTA AS1530.2 1993, AWTA AS1530.3 1993, AWTA AS3837 1998, German Standard DIN 4102 – B1 and French Standard: M1 |
| Emissions | Volatile Organic Compound (VOC) ASTM D5116 and 100% Trevira CS Free of PVC, Formaldehyde and Halogen |
| Durability | Oeko-Tex Certified DIN EN ISO 105 B2: 6 - 7 Excellent Lightfastness 5+ |

Scenarios for Modules

This section defines modelling stages scenarios A4 to D3 beyond actual operations in module A1 to A3.

| A4 Transport to Site | Type specified | Amount | Type specified | Amount |
|-----------------------------|--------------------|-----------|-----------------|----------------|
| Intercity road trucking | 2t to 5t vans | 220 km | 85% Capacity | Full back load |
| Long distance road trucking | 25t semi-trailer | 600 km | 85% Capacity | Full back load |
| Continental freight rail | Diesel train | 600 km | 85% Capacity | Full back load |
| Global container shipping | Factory to CBD | 1,200km | 85% Capacity | Full back load |
| Volume capacity (<1 to ≥1) | Utilisation factor | 1 | Uncompressed | Un-nested |
| A5 Installation | | | | |
| Utilities used | Grid Power | 0.0042MJ | Town water | Nil |
| Emissions | VOCs indoors | Nil | | |
| Waste on site | Scrap Trim | 5% | Scrap Fate | Landfill |
| Emissions | From landfill | All known | | |
| Collection | Council site bins | 0.05 kg | Landfill route | 50km no return |
| All packaging | As declared | kg | Energy recovery | nil |
| Pack waste collection | Council site bins | 0.0004kg | Landfill route | 50km no return |
| Pack scrap recycled | Council site bins | 0.003kg | To Recycler | 50km no return |

Modules B1 Use of building fabric, B4 Replacement, B5 Refurbishment, B6 Operating Energy and B7 Operating Water each have zero flows. Scenarios for Building B2 and B3 are listed below.

| 2 Maintenance | Type specified | Amount | Type specified | Amount |
|---------------------------|-----------------|-----------|-----------------|----------------|
| Maker's specified process | URL declared | Specified | Clean cycle | Annual |
| Vacuum cleaning energy | Annually | 0.007MJpa | Power mix | National grid |
| B3 Repair | Damaged | 5% | Maker's process | As per website |
| New Product | As manufactured | 5% | Freight to site | 5% A5 |
| Scrap | Fate landfill | 0.025kg | Recycling | 0.025kg |
| Energy input & source | No excess | Nil | Packaging | 5% A5 |

Module C3 Waste Treatment has zero flows. End of Life scenarios C1, C2 and C4 are listed below.

| C1 Demolition | Type specified | Amount | Type specified | Amount |
|--------------------|---------------------|---------|--------------------|--------------|
| Operation | remove damaged | 5% | Collection | Separate |
| Collection process | In site waste | 5% | Separate to reuse | 0 |
| C2 Transport | 25t truck road | 50km | 85% capacity | No back load |
| C4 Disposal | Product specific | 0.025kg | Collect separately | 0.025kg |
| Typical Scenario | Damaged to landfill | 2.5% | All emissions | mass share |
| Recovery system | Recycling | 2.5% kg | Not for energy | 0.0 kg |

Scenarios for modules D1Reuse, D2 Recovery and D3 Recycling are listed below.

D Beyond System Boundary

| D1 Reuse | Type specified | Amount | Type specified | Amount |
|---------------------|-----------------|--------|----------------|---------|
| Typical performance | Fit for purpose | 95% | Reuse in place | 0.95kg |
| D2 Recovery | Surface Vacuum | 95% | Clean in place | 0.95kg |
| D3 Recycle | Take back | 2.5% | Clean fibre | 0.025kg |

Module A1 to A5 Results

Table 1 shows results from A1 Resources, A2 Transport, A3 Manufacture, A4 Transport to A5 Construction.

Table 1 A1-3 to A5 Impact & Inventory Results/Functional Unit

| Result | A1-3 | A4 | A5 |
|--|---------|----------|----------|
| Climate Change biogenic | -0.87 | -1.0E-06 | -3.5E-02 |
| Climate Change luluc | 1.0E-04 | 2.8E-09 | 3.0E-06 |
| Climate Change fossil | 19 | 0.17 | 0.58 |
| Climate Change total | 18 | 0.17 | 0.55 |
| Stratospheric Ozone Depletion | 2.9E-07 | 2.9E-13 | 5.7E-09 |
| Photochemical Ozone Creation | 8.1E-02 | 9.3E-04 | 2.1E-03 |
| Acidification Potential | 3.5E-02 | 9.0E-05 | 8.1E-04 |
| Eutrophication Freshwater | 5.6E-06 | 2.1E-09 | 2.2E-07 |
| Eutrophication Marine | 8.0E-03 | 1.7E-05 | 1.7E-04 |
| Eutrophication Terrestrial | 2.5E-02 | 5.5E-05 | 7.0E-04 |
| Fossil Depletion | 18 | 2.0E-01 | 5.5E-01 |
| Mineral and Metal Depletion | 4.4E-03 | 1.1E-05 | 7.4E-05 |
| Water Scarcity Depletion | 0.43 | 1.6E-05 | 1.4E-02 |
| Net Fresh Water Use | 2.6 | 1.0E-04 | 8.9E-02 |
| Secondary Material | 0.88 | 4.7E-06 | 2.2E-02 |
| Secondary Renewable Fuel | 2.6 | 0 | 0.11 |
| Primary Renewable Material | 9.1 | 3.7E-03 | 0.39 |
| Primary Energy Renewable Not Feedstock | 12 | 5.1E-04 | 0.35 |
| Primary Energy Renewable Total | 24 | 4.2E-03 | 0.85 |
| Secondary Non-renewable Fuel | 2.3 | 1.1E-03 | 0.06 |
| Primary Energy Non-renewable Material | 106 | 0.97 | 3.6 |
| Primary Non-renewable Energy Not Feedstock | 215 | 1.6 | 6.5 |
| Primary Energy Non-renewable Total | 322 | 2.6 | 10 |
| Hazardous Waste Disposed | 1.9E-02 | 3.3E-04 | 6.2E-04 |
| Non-hazardous Waste Disposed | 1.92 | 2.9E-03 | 6.0E-02 |
| Radioactive Waste Disposed | 4.8E-15 | 1.7E-31 | 7.2E-17 |
| Components For Reuse | 0 | 0 | 0 |
| Material For Recycling | 0.28 | 1.0E-05 | 1.4E-02 |
| Material For Energy Recovery | 1.9E-03 | 3.4E-07 | 5.0E-05 |
| Exported Energy Electrical | 0 | 0 | 0 |
| Exported Energy Thermal | 0 | 0 | 0 |

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Module B1 to B7 Results

Table 2 shows results for building operations from B1 Use, B2 Maintain, B3 Repair, B4 Replace, B5 Refurbish, B6 Energy Use to B7 Water Use

Table 2 B1 to B7 Impact & Inventory Results/Functional Unit

| Result | B1 | B2 | B3 | B4 | B5 | B6 | B7 |
|--|----|----------|----------|----|----|----|----|
| Climate Change biogenic | 0 | -2.6E-04 | -4.4E-04 | 0 | 0 | 0 | 0 |
| Climate Change luluc | 0 | 4.1E-07 | 3.0E-06 | 0 | 0 | 0 | 0 |
| Climate Change fossil | 0 | 0.05 | 0.58 | 0 | 0 | 0 | 0 |
| Climate Change total | 0 | 4.5E-02 | 0.55 | 0 | 0 | 0 | 0 |
| Stratospheric Ozone Depletion | 0 | 2.1E-15 | 5.7E-09 | 0 | 0 | 0 | 0 |
| Photochemical Ozone Creation | 0 | 2.4E-04 | 2.1E-03 | 0 | 0 | 0 | 0 |
| Acidification Potential | 0 | 1.1E-04 | 8.1E-04 | 0 | 0 | 0 | 0 |
| Eutrophication Freshwater | 0 | 1.3E-11 | 2.2E-07 | 0 | 0 | 0 | 0 |
| Eutrophication Marine | 0 | 2.0E-05 | 1.7E-04 | 0 | 0 | 0 | 0 |
| Eutrophication Terrestrial | 0 | 1.5E-04 | 7.0E-04 | 0 | 0 | 0 | 0 |
| Fossil Depletion | 0 | 2.8E-02 | 5.5E-01 | 0 | 0 | 0 | 0 |
| Mineral and Metal Depletion | 0 | 2.2E-10 | 7.4E-05 | 0 | 0 | 0 | 0 |
| Water Scarcity Depletion | 0 | 4.1E-07 | 1.4E-02 | 0 | 0 | 0 | 0 |
| Net Fresh Water Use | 0 | 2.8E-09 | 0.09 | 0 | 0 | 0 | 0 |
| Secondary Material | 0 | 2.6E-04 | 2.2E-02 | 0 | 0 | 0 | 0 |
| Secondary Renewable Fuel | 0 | 1.2E-03 | 0.11 | 0 | 0 | 0 | 0 |
| Primary Renewable Material | 0 | 5.2E-08 | 0.39 | 0 | 0 | 0 | 0 |
| Primary Energy Renewable Not Feedstock | 0 | 2.7E-02 | 0.35 | 0 | 0 | 0 | 0 |
| Primary Energy Renewable Total | 0 | 2.7E-02 | 0.85 | 0 | 0 | 0 | 0 |
| Secondary Non-renewable Fuel | 0 | 1.6E-08 | 6.3E-02 | 0 | 0 | 0 | 0 |
| Primary Energy Non-renewable Material | 0 | 8.4E-03 | 3.6 | 0 | 0 | 0 | 0 |
| Primary Non-renewable Energy Not Feedstock | 0 | 0.50 | 6.5 | 0 | 0 | 0 | 0 |
| Primary Energy Non-renewable Total | 0 | 0.51 | 10 | 0 | 0 | 0 | 0 |
| Hazardous Waste Disposed | 0 | 8.0E-04 | 6.2E-04 | 0 | 0 | 0 | 0 |
| Non-hazardous Waste Disposed | 0 | 0.32 | 4.3E-02 | 0 | 0 | 0 | 0 |
| Radioactive Waste Disposed | 0 | 8.3E-16 | 7.2E-17 | 0 | 0 | 0 | 0 |
| Components For Reuse | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Material For Recycling | 0 | 6.0E-02 | 1.2E-02 | 0 | 0 | 0 | 0 |
| Material For Energy Recovery | 0 | 1.0E-04 | 5.0E-05 | 0 | 0 | 0 | 0 |
| Exported Energy Electrical | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Exported Energy Thermal | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

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Module C1 to C4 Results

Table 3 shows End-of-Life results for C1 Demolish, C2 Transport, C3 Process waste and C4 Disposal.

Table 3 C1 to C4 Impact & Inventory Results/Functional Unit

| Result | C1 | C2 | C3 | C4 |
|--|----------|----------|----|----------|
| Climate Change biogenic | -1.1E-04 | -1.0E-06 | 0 | -5.6E-07 |
| Climate Change luluc | 1.7E-07 | 1.4E-09 | 0 | 1.7E-10 |
| Climate Change fossil | 1.9E-02 | 6.1E-03 | 0 | 1.2E-03 |
| Climate Change total | 1.9E-02 | 6.1E-03 | 0 | 1.2E-03 |
| Stratospheric Ozone Depletion | 9.0E-16 | 1.1E-13 | 0 | 1.8E-14 |
| Photochemical Ozone Creation | 1.0E-04 | 6.0E-05 | 0 | 2.8E-05 |
| Acidification Potential | 4.6E-05 | 5.1E-06 | 0 | 3.6E-06 |
| Eutrophication Freshwater | 5.7E-12 | 3.1E-10 | 0 | 5.2E-11 |
| Eutrophication Marine | 8.5E-06 | 9.5E-07 | 0 | 6.6E-07 |
| Eutrophication Terrestrial | 6.2E-05 | 3.4E-06 | 0 | 1.3E-06 |
| Fossil Depletion | 1.2E-02 | 7.5E-03 | 0 | 1.4E-03 |
| Mineral and Metal Depletion | 9.5E-11 | 4.0E-06 | 0 | 8.0E-07 |
| Water Scarcity Depletion | 8.5E-07 | 1.4E-06 | 0 | 1.2E-06 |
| Net Fresh Water Use | 5.2E-06 | 8.7E-06 | 0 | 7.5E-06 |
| Secondary Material | 2.2E-04 | 2.2E-06 | 0 | 3.0E-07 |
| Secondary Renewable Fuel | 5.3E-04 | 2.2E-06 | 0 | 6.8E-07 |
| Primary Renewable Material | 2.2E-08 | 0 | 0 | 2.6E-04 |
| Primary Energy Renewable Not Feedstock | 1.1E-02 | 0 | 0 | 1.9E-05 |
| Primary Energy Renewable Total | 1.1E-02 | 1.6E-03 | 0 | 2.8E-04 |
| Secondary Non-renewable Fuel | 6.7E-09 | 2.1E-04 | 0 | 7.8E-05 |
| Primary Energy Non-renewable Material | 3.6E-03 | 1.8E-03 | 0 | 7.2E-03 |
| Primary Non-renewable Energy Not Feedstock | 0.21 | 4.8E-04 | 0 | 1.2E-02 |
| Primary Energy Non-renewable Total | 0.22 | 3.7E-02 | 0 | 1.9E-02 |
| Hazardous Waste Disposed | 1.0E-06 | 1.2E-05 | 0 | 2.4E-06 |
| Non-hazardous Waste Disposed | 5.4E-05 | 9.7E-05 | 0 | 5.0E-02 |
| Radioactive Waste Disposed | 9.2E-37 | 8.5E-32 | 0 | 1.1E-32 |
| Components For Reuse | 0 | 0 | 0 | 0 |
| Material For Recycling | 2.9E-04 | 4.6E-06 | 0 | 1.5E-01 |
| Material For Energy Recovery | 2.1E-12 | 1.5E-07 | 0 | 2.4E-08 |
| Exported Energy Electrical | 0 | 0 | 0 | 0 |
| Exported Energy Thermal | 0 | 0 | 0 | 0 |

Module D1 to D4 Results Beyond System Boundaries

Table 4 shows results for Beyond System Boundaries in phases D1 Reuse, D2 Recovery to D3 Recycle.

Table 4 D1 to D4 Impact & Inventory Results/Functional Unit

| Result | D1 | D2 | D3 |
|--|----------|----------|----------|
| Climate Change biogenic | -4.8E-02 | -1.8E-05 | -1.3E-03 |
| Climate Change luluc | 7.2E-06 | 1.8E-09 | 5.2E-07 |
| Climate Change fossil | 3.3 | 2.5E-04 | 0.16 |
| Climate Change total | 3.2 | 2.3E-04 | 0.15 |
| Stratospheric Ozone Depletion | 3.2E-08 | 5.9E-13 | 2.3E-09 |
| Photochemical Ozone Creation | 1.2E-02 | 1.0E-06 | 7.2E-04 |
| Acidification Potential | 4.6E-03 | 4.4E-07 | 3.5E-04 |
| Eutrophication Freshwater | 5.8E-07 | 1.2E-10 | 6.8E-09 |
| Eutrophication Marine | 9.6E-04 | 7.7E-08 | 7.8E-05 |
| Eutrophication Terrestrial | 2.6E-03 | 5.2E-07 | 2.1E-04 |
| Fossil Depletion | 3.0 | 1.5E-04 | 1.2E-01 |
| Mineral and Metal Depletion | 4.5E-04 | 5.7E-08 | 4.1E-05 |
| Water Scarcity Depletion | 8.4E-02 | 1.8E-05 | 1.6E-03 |
| Net Fresh Water Use | 5.2E-01 | 1.1E-04 | 1.0E-02 |
| Secondary Material | 6.4E-01 | 0 | 3.3E-02 |
| Secondary Renewable Fuel | 0.13 | 4.2E-05 | 1.5E-03 |
| Primary Renewable Material | 0.13 | 2.0E-04 | 6.0E-03 |
| Primary Energy Renewable Not Feedstock | 1.7 | 2.3E-04 | 0.20 |
| Primary Energy Renewable Total | 2.0 | 4.7E-04 | 0.21 |
| Secondary Non-renewable Fuel | 0.35 | 7.7E-06 | 1.5E-03 |
| Primary Energy Non-renewable Material | 21 | 3.2E-04 | 0.14 |
| Primary Non-renewable Energy Not Feedstock | 38 | 2.4E-03 | 1.9 |
| Primary Energy Non-renewable Total | 58 | 2.7E-03 | 2.0 |
| Hazardous Waste Disposed | 3.5E-03 | 1.9E-07 | 1.5E-04 |
| Non-hazardous Waste Disposed | 0.21 | 2.0E-05 | 1.4E-02 |
| Radioactive Waste Disposed | 4.1E-16 | 4.9E-21 | 4.3E-17 |
| Components For Reuse | 0 | 0 | 0 |
| Material For Recycling | 6.2E-03 | 1.5E-05 | 5.9E-04 |
| Material For Energy Recovery | 2.7E-04 | 6.5E-09 | 3.3E-06 |
| Exported Energy Electrical | 0 | 0 | 0 |
| Exported Energy Thermal | 0 | 0 | 0 |

**Euroscreen® Eco Transparent Blind Fabric
 VER TR05 2022EP**

Interpretation

This interpretation discusses product results cradle to grave.

Figure 3 shows A1 to A3 GWP results which are most sensitive to recycled then primary Polyester content.

Figure 4 shows A1 to A3 Acidification (AP), Marine Eutrophication (EP_{Mar}) and Terrestrial (EP_{Terra}) results /kg product which is most sensitive to recycled then primary Polyester content.

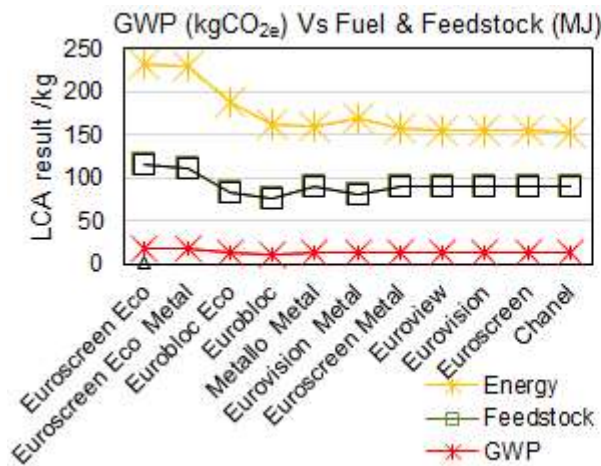


Figure 3 A1-A3 Component & EE% share//kg

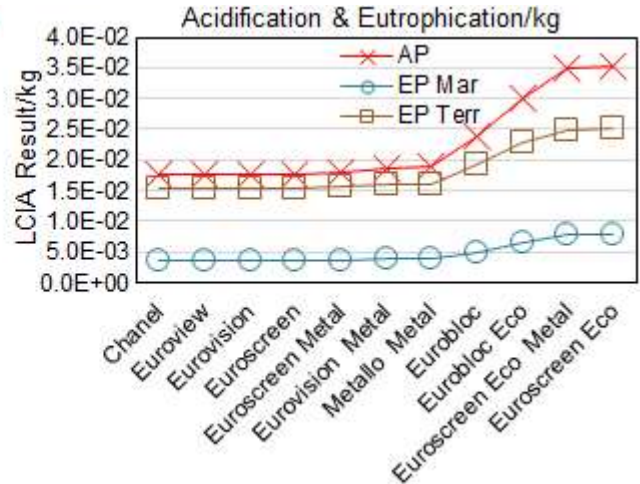


Figure 4 A1-A3 GWP Vs ADP FF/kg A1 to D3

Figure 5 shows GWP and Abiotic Depletion of Fossil Fuel (ADP FF) /kg product. Figure 6 shows AP, EP_{Mar} and GWP/kg product.

Both Figures show most damages from A1-A3 with insignificant results from other phases, until D1 reuse beyond the system boundary typically replacing 5% worn fabric with the same new product.

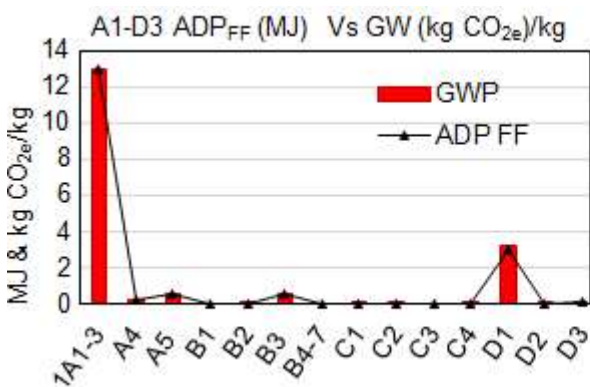


Figure 5 GWP Vs ADPFF /kg A1 to C4

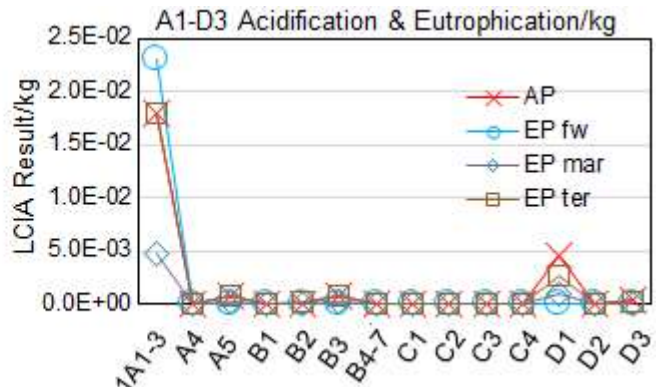


Figure 6 AP & EP/kg A1 to C4

Module D Beyond System Boundary results show typical D1 Reuse of 95% of intact product for 40 more years. Over a 60-year building life such reuse reduces all impacts >95%/kg.

Subsequently as most remain unchanged over built life no significant damages arise for phases A4 to C4.

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