

## ENVIRONMENTAL PRODUCT DECLARATION

# MODULAR CARPET

INTERFACE, INC ASIA PACIFIC - AUSTRALIA  
GLASBAC®, NYLON



## Interface®

For more than four decades, Interface has consistently led the industry through design and innovation and is a world leader in environmental sustainability. We are committed to transparency and will continue to share our progress as we work to become a carbon negative company by 2040.

At Interface, we believe Life Cycle Assessment is critical for evaluating the environmental impacts of our products. The LCA-based Environmental Product Declaration is the best way to provide full disclosure of those impacts to our customers.

Interface was one of the first companies to develop EPDs for all of our products manufactured globally, and we are committed to providing this level of transparency to our customers, partners and the industry.

For more information visit  
[www.interface.com](http://www.interface.com)



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## Interface®

Interface, Inc Asia Pacific - Australia  
 Modular Carpet  
 GlasBac® Nylon



According to ISO 14025,  
 EN 15804, and ISO21930:2017

|   |  |  |
|---|--|--|
| EPD PROGRAM AND PROGRAM OPERATOR NAME, ADDRESS, LOGO, AND WEBSITE | UL Environment<br>333 Pfingsten Road Northbrook, IL 60611  | <a href="https://www.ul.com/">https://www.ul.com/</a><br><a href="https://spot.ul.com/">https://spot.ul.com/</a> |
| GENERAL PROGRAM INSTRUCTIONS AND VERSION NUMBER                   | General Program Instructions v2.5 March 2020   |  |
| MANUFACTURER NAME AND ADDRESS                                     | Interface, Inc.; Minto, NSW, Australia   |  |
| DECLARATION NUMBER  | 4789956802.104.1   |  |
| DECLARED PRODUCT & FUNCTIONAL UNIT OR DECLARED UNIT               | Interface Asia Pacific – Australia modular carpet on GlasBac, Nylon  |  |
| REFERENCE PCR AND VERSION NUMBER                                  | PCR Guidance for Building-Related Products and Services Part A: Life Cycle Assessment Calculation Rules and Report Requirements. 10010 Version 3.2. UL Environment. December 2018<br>PCR Guidance for Building-Related Products and Services Part B: Flooring EPD Requirements. 10010-7 Version 2. UL Environment. September 2018. |  |
| DESCRIPTION OF PRODUCT APPLICATION/USE                            | Interface modular GlasBac carpet   |  |
| PRODUCT RSL DESCRIPTION (IF APPL.)                                | 15 years   |  |
| MARKETS OF APPLICABILITY  | APAC   |  |
| DATE OF ISSUE   | 10/1/2021  |  |
| PERIOD OF VALIDITY  | 5 Years  |  |
| EPD TYPE  | Product specific   |  |
| RANGE OF DATASET VARIABILITY                                      | Industry average   |  |
| EPD SCOPE   | Cradle to gate with options  |  |
| YEAR(S) OF REPORTED PRIMARY DATA                                  | 2020   |  |
| LCA SOFTWARE & VERSION NUMBER                                     | GaBi 10  |  |
| LCI DATABASE(S) & VERSION NUMBER                                  | GaBi 10.5.0.78   |  |
| LCIA METHODOLOGY & VERSION NUMBER                                 | TRACI 2.1/CML 4.2  |  |

|   |  |
|---|--|
| The PCR review was conducted by:  | UL Environment                                       |
|   | PCR Review Panel                                     |
| This declaration was independently verified in accordance with ISO 14025: 2006.<br><input type="checkbox"/> INTERNAL <input checked="" type="checkbox"/> EXTERNAL | epd@ulenvironment.com                                |
|   | <br>Thomas P. Gloria, Industrial Ecology Consultants |
| This life cycle assessment was conducted in accordance with ISO 14044 and the reference PCR by:   |  |
|   | Aidan Ganzert, Interface                             |
| This life cycle assessment was independently verified in accordance with ISO 14044 and the reference PCR by:  |  |
|   | Thomas P. Gloria, Industrial Ecology Consultants     |

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### LIMITATIONS

**Exclusions:** EPDs do not indicate that any environmental or social performance benchmarks are met, and there may be impacts that they do not encompass. LCAs do not typically address the site-specific environmental impacts of raw material extraction, nor are they meant to assess human health toxicity. EPDs can complement but cannot replace tools and certifications that are designed to address these impacts and/or set performance thresholds – e.g. Type 1 certifications, health assessments and declarations, environmental impact assessments, etc.

**Accuracy of Results:** EPDs regularly rely on estimations of impacts; the level of accuracy in estimation of effect differs for any particular product line and reported impact.

**Comparability:** EPDs from different programs may not be comparable. Full conformance with a PCR allows EPD comparability only when all stages of a life cycle have been considered. However, variations and deviations are possible\*. Example of variations: Different LCA software and background LCI datasets may lead to differences results for upstream or downstream of the life cycle stages declared.

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## 1. Product Definition and Information

### 1.1. Description of Company/Organization

Interface, Inc. is a global flooring company specializing in carbon neutral carpet tile and resilient flooring, including luxury vinyl tile (LVT) and nora® rubber flooring. We help our customers create high-performance interior spaces that support well-being, productivity, and creativity, as well as the sustainability of the planet. Our mission, Climate Take Back™, invites you to join us as we commit to operating in a way that is restorative to the planet and creates a climate fit for life.

### 1.2. Product Description

#### Product Identification

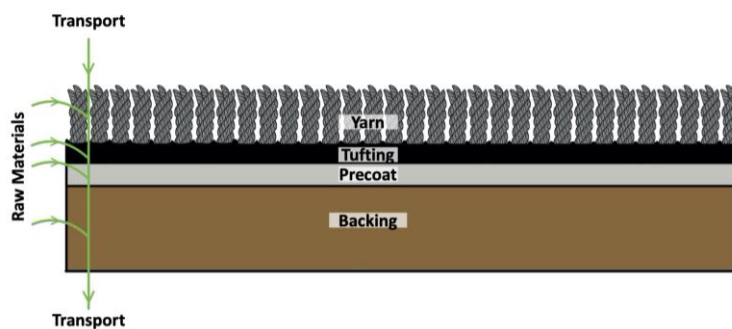
This Environmental Product Declaration covers all styles and patterns of modular carpet on GlasBac® backing with Nylon yarn. The products are manufactured in Minto Australia. The products range in yarn weight from 407 to 1594 grams per square meter. A medium yarn weight of 678 grams per square meter is reported and the Global Warming Potential of all additional product yarn weights are reported.

#### Product Specification

UNSPSC code: 301617

CSI code: 09680

#### Flow Diagram



A1-A3 measured flows include manufacturing processes, transport, and raw material inputs for each product layer and sub-layers.

#### Product Average

The product average of 678 grams per square meter was based on a sales weighted average.





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**1.3. Application**

Application of product is intended for modular installation of resilient floor covering in commercial building.

**1.4. Declaration of Methodological Framework**

The data is retrieved from a cradle-to-grave LCA study.

This EPD covers the entire life cycle of the product from cradle to grave (modules A1 to D) excluding modules for which there are no inputs/outputs. No known flows are deliberately excluded from this EPD. The description of the study boundaries is declared in Section 2.2.

For this product, the stated RSL is 15 years. It should be noted, however, that the service life of vinyl flooring may vary depending on the amount and nature of floor traffic and the type and frequency of maintenance. The manufacturer has provided this service life on the basis of its experience of flooring manufacture and supply.

The description of study boundaries is declared in Table 6.

**1.5. Technical Requirements**

| Name                | Value           | Unit             |
|---------------------|-----------------|------------------|
| Product form        | Tiles           | -                |
| Type of Manufacture | Tufted          | -                |
| Yarn Type           | Nylon           | -                |
| Secondary Backing   | Vinyl composite | -                |
| Total Weight        | 3300            | g/m <sup>2</sup> |
| Total Yarn Weight   | 678             | g/m <sup>2</sup> |

\* nominal values





1.6. Material Composition

| Component           | Material                            | % Mass              |
|---------------------|-------------------------------------|---------------------|
| Yarn                | Nylon                               | 21%                 |
|                     | <i>Post-consumer recycled nylon</i> | <i>(38% of 21%)</i> |
|                     | <i>Pre-consumer recycled nylon</i>  | <i>(55% of 21%)</i> |
| Primary backing     | Post-consumer recycled polyester    | 4%                  |
| Precoat backing     | Vinyl acetate emulsion              | 4%                  |
|                     | Alumina trihydrate                  | <1%                 |
| Stabilization layer | Fiberglass mat                      | 2%                  |
| Secondary backing   | DINCH                               | 10%                 |
|                     | Polyvinyl chloride                  | 15%                 |
|                     | Pre-consumer recycled limestone     | 44%                 |

\*nominal values

1.7. Manufacturing

GlasBac® is manufactured in Minto, NSW. Yarns are tufted into a primary backing fabric. A precoat backing is applied to the reverse side of the tufted face cloth to fix the yarns in place then a secondary backing which includes a stabilization layer is applied. The product is then cut into tiles and packaged.

1.8. Packaging

Carpet tiles are packaged in boxes made with >50% recycled content cardboard. Packaging waste should be reused or sent local cardboard recycling facilities.

1.9. Transportation

Delivery is represented as transport by truck over a distance of 500 miles (805 km). Available in a range of tile and plank sizes, most commonly 0.5 x 0.5 meter squares and 1.0 x 0.25 meter planks.

1.10. Product Installation

Product may be installed with pressure sensitive adhesive. For full installation instructions, see the Interface Installation Guide on the [website](#).

1.11. Use





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Conditions of use: During the life of the carpet, it should be cleaned in accordance with the product warranty instructions including vacuuming and extraction cleaning. The frequency is dependent upon the expected foot traffic and local conditions.

**1.12. Reference Service Life and Estimated Building Service Life**

The reference service life of this product is 15 years based on product warranty. The Estimated Building Service Life (ESL) is 75 years.

**1.13. Reuse, Recycling, and Energy Recovery**

The modular aspect of the product along with Tactile installation as opposed to glue-down methods allows for easy reuse of the product. The product is intended to be recycled through Interface’s ReEntry process.

**1.14. Disposal**

At the end of life the product should be returned to Interface through Interface’s ReEntry process by contacting Interface customer service at 1800-804-361. Disposal in municipal landfill or commercial incineration facilities is permissible in accordance with local regulations.

**2. Life Cycle Assessment Background Information**

**2.1. Functional or Declared Unit**

The functional unit is one square meter of floorcovering.

| Modular carpet on Glasbac™ | Value | Unit               |
|----------------------------|-------|--------------------|
| Declared unit              | 1     | m <sup>2</sup>     |
| Mass                       | 3.3   | kg/ m <sup>2</sup> |

*\*nominal value*





## 2.2. System Boundary

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The LCA is “cradle-to-gate with options” for one square meter of flooring. While the warranted service life is 15 years, modules **B1**, **B3**, **B4**, and **B5** are not declared, so the maintenance (**B2**) is represented for one year. The system boundaries include:

- **A1** Raw material extraction and processing, and processing of recycled materials
- **A2** Transport to the factory
- **A3** Manufacturing including materials, packaging, energy, and waste disposal or recycling
- **A4** Transport to installation sites (Asia, US, and Europe)
- **A5** Installation including ancillary materials required for installation and trim-waste disposal
- **B2** Maintenance: Includes the energy for vacuuming, extraction cleaning, and the production and transport of cleaning agents. The treatment of the waste-water from extraction cleaning is included. This is for one year of use.
- **C2** Transport of waste to local disposal
- **C4** Disposal

## 2.3. Estimates and Assumptions

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The datasets for materials upstream from manufacturing are a combination of information from the GaBi database and supplier provided datasets. Inventories for all materials are not available. When unavailable, conservative proxy datasets were chosen based on similarity of material.

## 2.4. Cut-off Criteria

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The cut-off criteria is less than 1% for energy use and less than 1% of total mass per unit process, the sum of which shall not exceed 5% of either energy or mass. If a flow met the cut-off criteria for exclusion, yet was thought to have significant environmental impact, then it was included.

## 2.5. Data Sources

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The datasets for materials upstream from manufacturing are a combination of information from the GaBi database version 10.5.0.78 and supplier provided datasets. The supplier provided data adds significant confidence to the ICA result because it is geographically and technologically specific to the Interface materials. This supplier specific data covers a majority of the environmental impact of the product and includes the Nylon yarn, tufting primary.

## 2.6. Data Quality

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The data quality ranges from good to very good. The temporal quality of the data is very good with both the manufacturing specific data and the GaBi background data being from 2020.

## 2.7. Period Under Review

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The data collection and the product described are an average product manufactured in 2020.





2.8. Allocation

Where relevant, the background data incorporates some allocation such as in the power mix. There are no co-products produced in the process, so the LCA model does not include allocation. No credits were taken for recycling of production waste.

3. Life Cycle Assessment Scenarios

Table 1. Transport to the building site (A4)

| Name  | Value       | Unit           |
|---|-------------|----------------|
| Fuel type   | Diesel      |                |
| Liters of fuel  | 0.00891     | l/100km        |
| Vehicle type  | Truck 34-40 | tons           |
| Transport distance                                      | 805         | km             |
| Capacity utilization (including empty runs, mass based) | 85          | %              |
| Weight of products transported*                         | 3.2         | kg             |
| Volume of products transported*                         | 0.001       | m <sup>3</sup> |
| Capacity utilization volume factor                      | 1           |                |
| *nominal values   |             |                |





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Table 2. Installation into the building (A5)

| Name   | Value | Unit               |
|--|-------|--------------------|
| Ancillary materials  | 0.004 | kg                 |
| Net freshwater consumption specified by water source and fate (amount evaporated, amount disposed to sewer)                        | -     | m <sup>3</sup>     |
| Other resources  | -     | kg                 |
| Electricity consumption  | -     | kWh                |
| Other energy carriers  | -     | MJ                 |
| Product loss per functional unit   | 0.02  | kg                 |
| Waste materials at the construction site before waste processing, generated by product installation                                | 0.23  | kg                 |
| Output materials resulting from on-site waste processing (specified by route; e.g. for recycling, energy recovery and/or disposal) | -     | kg                 |
| Biogenic carbon contained in packaging   | 0.1   | kg CO <sub>2</sub> |
| Direct emissions to ambient air, soil and water  | -     | kg                 |
| VOC content  | -     | µg/m <sup>3</sup>  |

Table 3. Reference Service Life

| NAME | VALUE | UNIT  |
|------|-------|-------|
| RSL  | 15    | years |





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Table 4. Maintenance (B2)

| Name  | Value | Unit          |
|---|-------|---------------|
| <i>Maintenance values taken in reference to "Care and Maintenance of Commercial Carpet Conventional and Next Generation Technology: Contents of Use Phase Gate to Gate; Life Cycle Inventory Summary, Di Lu, M. Overcash and M. Realf, February 2008," (CCAFTI report).</i> |       |               |
| Maintenance cycle per RSL   | 15    | cycle(s)/RSL  |
| Maintenance cycle   | 1     | cycle(s)/year |
| Vacuum cleaning   | 365   | cycle(s)/year |
| Vacuum cleaning per RSL   | 5460  | cycle(s)/RSL  |
| Extraction cleaning   | 2     | cycle(s)/year |
| Extraction cleaning per RSL   | 30    | cycle(s)/RSL  |
| Net freshwater consumption specified by water source and fate (disposed to sewer)   | 1.93  | kg/year       |
| Ancillary materials (cleaning agent)  | 0.007 | kg/year       |
| Other resources   | 0.004 | kg            |
| Energy input, specified by activity, type and amount  | 1.6   | MJ/year       |
| Other energy carriers specified by type   | -     | kWh           |
| Power output of equipment   | -     | kW            |
| Waste materials from maintenance (specify materials)  | -     | kg            |
| Direct emissions to ambient air, soil and water (waste water)   | -     | kg/year       |

Maintenance cycle for B2 stage is measured for 1 year per the functional unit.

Table 5. End of life (C1-C4)

| NAME                  | VALUE | UNIT |
|-----------------------|-------|------|
| Transport to disposal | 100   | km   |
| Landfill              | 3.3   | kg   |





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4. Life Cycle Assessment Results

Table 6. Description of the system boundary modules (X = system included in boundary; MND = module not declared)

| EPD Type | PRODUCT STAGE       |           |               | CONSTRUCTION PROCESS STAGE  |                  | USE STAGE |             |        |             |               |  |   | END OF LIFE STAGE |           |                  |          | BENEFITS AND LOADS BEYOND THE SYSTEM BOUNDARY |
|----------|---------------------|-----------|---------------|-----------------------------|------------------|-----------|-------------|--------|-------------|---------------|--|---|-------------------|-----------|------------------|----------|---|
|          | A1                  | A2        | A3            | A4                          | A5               | B1        | B2          | B3     | B4          | B5            | B6   | B7  | C1                | C2        | C3               | C4       | D   |
|          | Raw material supply | Transport | Manufacturing | Transport from gate to site | Assembly/Install | Use       | Maintenance | Repair | Replacement | Refurbishment | Building Operational Energy Use During Product Use | Building Operational Water Use During Product Use | Deconstruction    | Transport | Waste processing | Disposal | Reuse, Recovery, Recycling Potential          |
|          | X                   |           |               | X                           | X                | MND       | X           | MND    | MND         | MND           | MND  | MND   | MND               | X         | MND              | X        | MND   |

4.1. Life Cycle Impact Assessment Results

Table 7. North American Impact Assessment Results

| TRACI v2.1                      | A1-A3    | A4       | A5       | B2       | C2       | C4       |
|---------------------------------|----------|----------|----------|----------|----------|----------|
| GWP [kg CO <sub>2</sub> eq]     | 5.54E+00 | 1.35E-01 | 3.01E-02 | 5.85E-01 | 5.04E-03 | 2.21E-01 |
| ODP [kg CFC-11 eq]              | 1.11E-07 | 3.61E-17 | 8.67E-10 | 2.12E-09 | 1.35E-18 | 7.59E-16 |
| AP [kg SO <sub>2</sub> eq]      | 2.72E-02 | 7.25E-04 | 1.08E-04 | 2.19E-03 | 2.71E-05 | 6.03E-04 |
| EP [kg N eq]                    | 2.89E-03 | 5.43E-05 | 2.09E-05 | 3.01E-04 | 2.03E-06 | 2.86E-04 |
| SFP [kg O <sub>3</sub> eq]      | 3.87E-01 | 1.63E-02 | 1.34E-03 | 3.62E-02 | 6.07E-04 | 1.02E-02 |
| ADP <sub>fossil</sub> [MJ, LHV] | 1.32E+01 | 2.61E-01 | 6.41E-02 | 3.58E-01 | 9.75E-03 | 4.42E-01 |

|     |  |
|-----|--|
| Key | GWP 100 = global warming potential; ODP = ozone depletion potential; AP = acidification potential; EP = eutrophication potential; SFP = smog formation potential; ADP fossil = abiotic resource depletion potential of non-renewable (fossil) energy resources |
|-----|--|



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**Table 8. EU Impact Assessment Results**

| CML v4.2                                 | A1-A3    | A4        | A5       | B2       | C2        | C4       |
|--|----------|-----------|----------|----------|-----------|----------|
| GWP 100 [kg CO <sub>2</sub> eq]          | 5.59E+00 | 1.35E-01  | 3.06E-02 | 5.87E-01 | 5.06E-03  | 2.24E-01 |
| ODP [kg R11 eq]                          | 8.86E-08 | 3.61E-17  | 6.62E-10 | 1.95E-09 | 1.35E-18  | 7.59E-16 |
| AP [kg SO <sub>2</sub> eq]               | 2.62E-02 | 5.34E-04  | 1.08E-04 | 2.09E-03 | 1.99E-05  | 5.80E-04 |
| EP [kg PO <sub>4</sub> <sup>-3</sup> eq] | 3.45E-03 | 1.35E-04  | 4.62E-05 | 2.97E-04 | 5.06E-06  | 6.30E-04 |
| POCP [kg ethene eq]                      | 2.18E-03 | -2.23E-04 | 1.11E-05 | 1.17E-04 | -8.32E-06 | 5.22E-05 |
| ADP <sub>element</sub> [kg Sb-eq]        | 1.10E-05 | 1.36E-08  | 3.69E-09 | 1.94E-07 | 5.08E-10  | 4.29E-08 |
| ADP <sub>fossil</sub> [MJ, LHV]          | 1.02E+02 | 1.82E+00  | 4.93E-01 | 5.65E+00 | 6.81E-02  | 3.34E+00 |

|     |  |
|-----|--|
| Key | <p>GWP 100 = global warming potential; ODP = depletion potential of the stratospheric ozone layer; AP = acidification potential of soil and water; EP = eutrophication potential; POCP = photochemical oxidant creation potential; ADP - elements = abiotic depletion potential for non-fossil resources; ADP - fossil = abiotic resource depletion potential for fossil resources</p> |
|-----|--|





## 4.2. Life Cycle Inventory Results

Table 9. Resource Use

| Parameter            | A1-A3    | A4       | A5       | B2       | C2       | C4       |
|----------------------|----------|----------|----------|----------|----------|----------|
| RPRE [MJ, LHV]       | 7.76E+00 | –        | –        | 8.01E-01 | –        | –        |
| RPRM [MJ, LHV]       | 2.17E+01 | –        | –        | 6.19E-03 | –        | –        |
| NRPRE [MJ, LHV]      | 6.53E+00 | –        | –        | 3.49E+00 | –        | –        |
| NRPRM [MJ, LHV]      | 1.03E+02 | –        | –        | 6.25E-01 | –        | –        |
| SM [kg]              | 4.12E-01 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| RSF [MJ, LHV]        | 9.64E-05 | –        | –        | –        | –        | –        |
| NRSF [MJ, LHV]       | 1.47E-03 | –        | –        | –        | –        | –        |
| RE [MJ, LHV]         | –        | –        | –        | –        | –        | –        |
| FW [m <sup>3</sup> ] | 1.15E-01 | 1.20E-04 | 2.56E-04 | 2.89E-03 | 4.49E-06 | 3.17E-05 |

|     |  |
|-----|--|
| Key | <p>RPRE = Renewable primary resources used as energy carrier (fuel); RPRM = Renewable primary resources with energy content used as material; NRPRE = Non-renewable primary resources used as an energy carrier (fuel); NRPRM = Non-renewable primary resources with energy content used as material; SM = Secondary materials; RSF = Renewable secondary fuels; NRSF = Non-renewable secondary fuels; RE = Recovered energy; FW = Use of net freshwater resources</p> |
|-----|--|



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Table 10. Output Flows and Waste Categories

| Parameter    | A1-A3    | A4       | A5       | B2       | C2       | C4       |
|--------------|----------|----------|----------|----------|----------|----------|
| HWD [kg]     | 1.62E-03 | 9.65E-11 | 4.07E-11 | 4.31E-10 | 3.60E-12 | 6.19E-10 |
| NHWD [kg]    | 3.28E-01 | 2.87E-04 | 2.15E-01 | 1.82E-03 | 1.07E-05 | 3.28E+00 |
| HLRW [kg]    | 1.43E-06 | 2.89E-09 | 4.14E-09 | 3.08E-08 | 1.08E-10 | 4.11E-08 |
| ILLRW [kg]   | 1.11E-03 | 3.32E-06 | 3.49E-06 | 1.86E-05 | 1.24E-07 | 3.99E-05 |
| CRU [kg]     | -        | -        | -        | -        | -        | -        |
| MR [kg]      | -        | -        | -        | -        | -        | -        |
| MER [kg]     | -        | -        | -        | -        | -        | -        |
| EE [MJ, LHV] | -        | -        | -        | -        | -        | -        |

|     |  |
|-----|--|
| Key | HWD = hazardous waste disposed; NHWD = non-hazardous waste disposed; HLRW = high-level radioactive waste, conditioned, to final repository; ILLRW = intermediate and low-level radioactive waste, conditioned to final repository; CRU = components for reuse; MR = materials for recycling; MER = materials for energy recovery; EE = Recovered energy exported from the product system |
|-----|--|



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Results of the LCA – Product stage A1-A3 TRACI Global Warming Potential (GWP) measured in kg CO<sup>2</sup>-e for additional product yarn weights (ounces per square yard / grams per square meter)

| YARN WEIGHT<br>(oz./YD <sup>2</sup> ) AND<br>(GM/M <sup>2</sup> ) | GWP MEASURED IN KG CO <sub>2</sub> -E |
|---|---------------------------------------|
| 12 oz. / 407 gr.  | 4.89                                  |
| 13 oz. / 441 gr.  | 4.97                                  |
| 14 oz. / 475 gr.  | 5.05                                  |
| 15 oz. / 509 gr.  | 5.13                                  |
| 16 oz. / 542 gr.  | 5.21                                  |
| 17 oz. / 575 gr.  | 5.29                                  |
| 18 oz. / 610 gr.  | 5.37                                  |
| 19 oz. / 644 gr.  | 5.46                                  |
| 20 oz. / 678 gr.  | 5.54                                  |
| 21 oz. / 712 gr.  | 5.62                                  |
| 22 oz. / 746 gr.  | 5.70                                  |
| 23 oz. / 780 gr.  | 5.78                                  |
| 24 oz. / 814 gr.  | 5.86                                  |
| 25 oz. / 848 gr.  | 5.94                                  |
| 26 oz. / 881 gr.  | 6.02                                  |
| 27 oz. / 915 gr.  | 6.11                                  |
| 28 oz. / 949 gr.  | 6.19                                  |
| 29 oz. / 983 gr.  | 6.27                                  |
| 30 oz. / 1017 gr.   | 6.35                                  |
| 31 oz. / 1051 gr.   | 6.43                                  |
| 32 oz. / 1085 gr.   | 6.51                                  |
| 33 oz. / 1119 gr.   | 6.59                                  |
| 34 oz. / 1153 gr.   | 6.68                                  |
| 35 oz. / 1187 gr.   | 6.76                                  |
| 36 oz. / 1220 gr.   | 6.84                                  |
| 37 oz. / 1254 gr.   | 6.92                                  |
| 38 oz. / 1288 gr.   | 7.00                                  |
| 39 oz. / 1322 gr.   | 7.08                                  |
| 40 oz. / 1356 gr.   | 7.16                                  |
| 41 oz. / 1390 gr.   | 7.24                                  |
| 42 oz. / 1424 gr.   | 7.33                                  |
| 43 oz. / 1458 gr.   | 7.41                                  |
| 44 oz. / 1492 gr.   | 7.49                                  |
| 45 oz. / 1526 gr.   | 7.57                                  |
| 46 oz. / 1560 gr.   | 7.65                                  |
| 47 oz. / 1594 gr.   | 7.73                                  |







**5. LCA Interpretation**

The life cycle impacts of modular carpets are driven by the Product Stage and the impacts from this stage are driven by raw materials. Yarns and backing materials are the major contributors to impacts. Recycled polymers in both yarns and backings greatly reduce the impacts as compared to virgin petrochemically-based materials previously used in Interface carpet manufacture.

**6. Additional Environmental Information**

**6.1. Environment and Health During Manufacturing**

More information of product stewardship can be found on [Interface's sustainability website](#). ISO 14001 Environmental Management System

**6.2. Environment and Health During Use**

Product has low VOC emissions as indicated by compliance with ISO 10580 total volatile organic compound emissions less than 500 ug/m<sup>2</sup>/hr.

**6.3. Extraordinary Effects**

**Fire**

| NAME                               | VALUE |
|------------------------------------|-------|
| Radiant panel (AS ISO 9239.1)      | ≤ 4.5 |
| Smoke density (AS ISO 9239.1-2003) | < 200 |

**Water**

The product's backing is impervious to water, protecting the subfloor from leaks and spills. Exposure to flooding for long periods may result in damage to the product.

**Mechanical Destruction**

The product is intended for commercial applications with heavy wear (BS EN985 Castor Chair > 3). Performance requires proper installation according to Interface installation guidelines.

**6.4. Environmental Activities and Certifications**

All environmental activities and certifications can be found on [Interface's sustainability website](#).





## 7. References

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### Interface, Inc

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### M. Overcash, Di Lu, and Matthew Realf

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# Interface<sup>®</sup>

Interface, Inc. Asia Pacific - Australia  
Modular Carpet  
GlasBac®, Nylon



According to ISO 14025,  
EN 15804 and ISO 21930:2017

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<https://industries.ul.com/environment>

### **UL 10010-7. PCR Part B**

PCR - Part B: Flooring EPD Requirements. Second Edition. Dated September 28. 2018. UL Environment.  
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