

**Declaration Owner**

HBF
900 12th Street Drive NW
Hickory, NC 28601
www.hbf.com

Product

Oval Egg tables:

| | | |
|-------------------|-------------------|-----------------|
| 231723 C-C Shape | 231723 (4x Power) | 463415 Power |
| 231723 (No Power) | Cube 291723 Power | 463415 No Power |
| 231723 (2x power) | Cube 611723 Power | Cone 30D42 |

Functional Unit

The functional unit is one table, serving the function of a typical office table for a 10-year period. The reference unit used in the study is one complete table.

EPD Number and Period of Validity

SCS-EPD-04762
EPD Valid December 11, 2017 through December 10, 2020

Product Category Rule

Product Category Rules in Accordance with ISO 14025. Product Group: UN CPC 3812 & 3814. Other Furniture used in Offices and Other Furniture N.E.C. Version 1.1. International EPD System. 2014.

Program Operator

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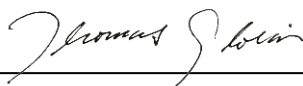
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| <p>Disclaimers: This EPD conforms to ISO 14025, 14040, and ISO 14044.</p> <p>Scope of Results Reported: The PCR requirements limit the scope of the LCA metrics such that the results exclude environmental and social performance benchmarks and thresholds, and exclude impacts from the depletion of natural resources, land use ecological impacts, ocean impacts related to greenhouse gas emissions, risks from hazardous wastes and impacts linked to hazardous chemical emissions.</p> <p>Accuracy of Results: Due to PCR constraints, this EPD provides estimations of potential impacts that are inherently limited in terms of accuracy.</p> <p>Comparability: The PCR this EPD was based on was not written to support comparative assertions. EPDs based on different PCRs, or different calculation models, may not be comparable. When attempting to compare EPDs or life cycle impacts of products from different companies, the user should be aware of the uncertainty in the final results, due to and not limited to, the practitioner's assumptions, the source of the data used in the study, and the specifics of the product modeled.</p> | |
| PCR review, was conducted by | The Technical Committee of the International EPD® System. Chair: Massimo Marino Contact via info@environdec.com. |
| Approved Date: December 11, 2017 – End Date: December 10, 2020 | |
| Independent verification of the declaration and data, according to ISO 14025:2006 | <input type="checkbox"/> internal <input checked="" type="checkbox"/> external |
| Third party verifier |  <hr/> Tom Gloria, Ph.D., Industrial Ecology Consultants |

ABOUT HBF

A leader in beautifully designed, exquisitely crafted and exceptionally constructed products. These products represent the finest in contemporary design, reflecting the essence of current culture while evoking a timeless, transcendent appeal.

PRODUCT DESCRIPTION

HBF's oval egg tables are manufactured in Sterling, Massachusetts. Barbara Barry designs a collection of beautiful, exquisitely simple tables that bring a modern point of view to a lobby, lounge or the executive suite. Based on quiet organic forms, these tables are a discreet complement to contemporary sofas and chairs, perfect as a side table or occasional table. These tables are available in multiple shapes with different finishes and provision for power outlets.

PRODUCT SPECIFICATIONS

Product specifications of the HBF Oval Egg Occasional Tables included in this EPD are shown in Table 1 and Table 2.

Table 1. *Product specifications of the HBF Oval Egg Occasional Tables.*

| Product Name | Product Shape | Finish Material | Power Provision Option |
|-------------------|-------------------|-----------------|------------------------|
| 231723 C-C Shape | Oval egg, C-shape | Corian® | No |
| 231723 (No Power) | Oval egg | Corian® | No |
| 231723 (2x power) | Oval egg | Corian® | 2 power outlets |
| 231723 (4x Power) | Oval egg | Corian® | 4 power outlets |
| Cube 291723 Power | Cube | Corian® | 2 power outlets |
| Cube 611723 Power | Cube | Corian® | 2 power outlets |
| 463415 Power | Oval egg | Corian® | 2 power outlets |
| 463415 No Power | Oval egg | Corian® | No |
| Cone 30D42 | Cone | Corian® | No |

Table 2. *Product specifications of the HBF Oval Egg Tables.*

| Product Name | Worksurface Dimension | Table Height (inch) | Pre-consumer/ Post-Consumer Recycled Content |
|-------------------|-----------------------|---------------------|--|
| 231723 C-C Shape | 23" x 17" | 23" | 14.2% / 0% |
| 231723 (No Power) | 23" x 17" | 23" | 18.7% / 0% |
| 231723 (2x power) | 23" x 17" | 23" | 18.7% / 0% |
| 231723 (4x Power) | 23" x 17" | 23" | 18.7% / 0% |
| Cube 291723 Power | 29.5"w x 17"d | 23" | 60.5% / 0% |
| Cube 611723 Power | 61.5"w x 17"d | 23" | 50.8% / 0% |
| 463415 Power | 46" x 34" | 15" | 0% / 0% |
| 463415 No Power | 46" x 34" | 15" | 0% / 0% |
| Cone 30D42 | 29.75/24" Dia | 42" | 7.8% |

MATERIAL COMPOSITION

Table 3. Material composition of the HBF Oval Egg Tables and packaging. Results are shown on a mass basis (kg/unit) and as a percent of total. (Models: 231723 C-C Shape, 231723 (No Power), 231723 (2x power), 231723 (4x Power))

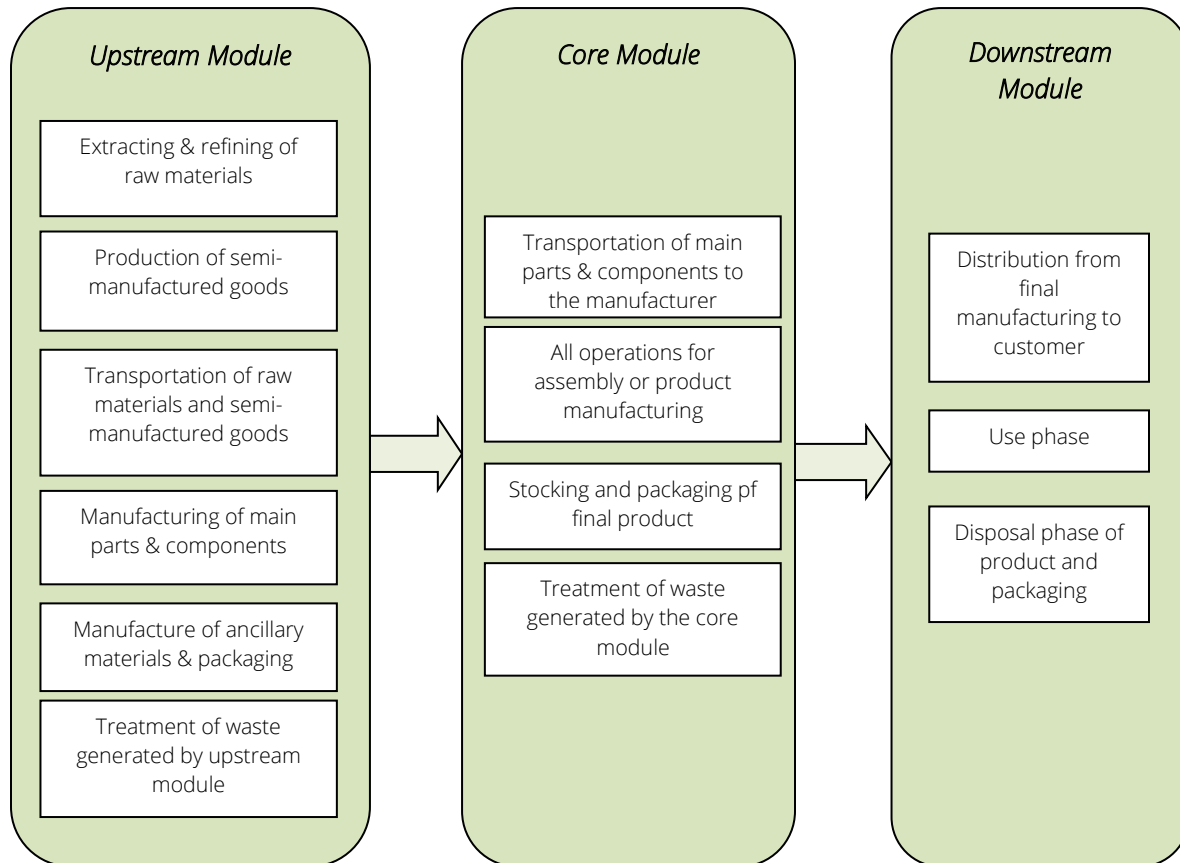
| Material Type | 231723 C-C Shape | 231723 (No Power) | 231723 (2x power) | 231723 (4x Power) |
|---------------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| Product | | | | |
| Corian® Solid Surface | 24 57% | 23 72% | 23 71% | 23 72% |
| Steel Frame | 12 28% | - - | - - | - - |
| Plywood | 2.0 6.8% | 4.4 16% | 4.4 16% | 4.4 16% |
| Medium Density Fiberboard (MDF) | 3.0 7.0% | 3.0 9.2% | 3.0 9.0% | 3.0 8.8% |
| Steel Hardware | 0.51 1.2% | 0.51 1.6% | 0.51 1.6% | 0.51 1.6% |
| Silicone | 0.06 0.15% | 0.13 0.40% | 0.13 0.39% | 0.13 0.38% |
| AC Power Supply | - | - | 0.36 1.1% | 0.73 2.2% |
| USB Power Supply | - | - | 0.36 1.1% | 0.73 2.2% |
| Product Total | 42 100% | 32 100% | 33 100% | 33 100% |
| Packaging | | | | |
| Corrugated board | 4.5 91% | 4.5 91% | 4.5 91% | 4.5 91% |
| Polyethylene film | 0.45 9% | 0.45 9% | 0.45 9% | 0.45 9% |
| Packaging Total | 5.0 100% | 5.0 100% | 5.0 100% | 5.0 100% |

Table 4. Material composition of the HBF Oval Egg Tables and packaging. Results are shown on a mass basis (kg/unit) and as a percent of total. (Models: Cube 291723 Power, Cube 611723 Power, 463415 Power, 463415 No Power, Cone 30D42)

| Material Type | Cube 291723 Power | Cube 611723 Power | 463415 Power | 463415 No Power | Cone 30D42 |
|---------------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| Product | | | | | |
| Corian® Solid Surface | 36 61% | 70 63% | 39 53% | 39 53% | 57 64% |
| Steel Frame | - - | - - | - - | - - | 14 15% |
| Plywood | 5.0 8.3% | 12 11% | 33 45% | 33 45% | - - |
| Medium Density Fiberboard (MDF) | 18 29% | 27 25% | - - | - - | 3 3.9% |
| Steel Hardware | - - | - - | 0.51 0.69% | 0.51 0.65% | - - |
| ABS plastic | - - | - - | 0.45 0.61% | 0.45 0.62% | - - |
| Silicone | 0.29 0.48% | 0.61 0.56% | 0.41 0.55% | 0.41 0.55% | 0.61 0.70% |
| AC Power Supply | 0.36 0.61% | 0.36 0.33% | 0.36 0.49% | - - | - - |
| USB Power Supply | 0.36 0.61% | 0.36 0.33% | 0.36 0.49% | - - | - - |
| Product Total | 60 100% | 110 100% | 75 100% | 74 100% | 88 100% |
| Packaging | | | | | |
| Corrugated | 6.8 93% | 9.1 93% | 4.5 91% | 4.5 91% | 5.5 92% |
| Polyethylene film | 0.55 7% | 0.68 7% | 0.45 9% | 0.45 9% | 0.50 8% |
| Packaging Total | 7.4 100% | 9.8 100% | 5.0 100% | 5.0 100% | 6.0 100% |

LIFE CYCLE ASSESSMENT STAGES

The system boundary is cradle-to-grave and includes resource extraction and processing, product manufacture and assembly, distribution/transport, use and maintenance, and end-of-life. The diagram below illustrates the life cycle stages included in this EPD.



LIFE CYCLE IMPACT ASSESSMENT

Impact category indicators are calculated using the CML-IA and TRACI 2.1 characterization methods. TRACI 2.1 impact category indicators include global warming potential (100 years), acidification potential, smog potential, ozone depletion potential, and eutrophication potential. CML-IA impact category indicators include global warming potential (100 years), acidification potential, eutrophication potential, Photochemical Ozone Creation potential, ozone depletion potential, and abiotic resource depletion, in accordance with the PCR. In addition, an estimate of the impacts from land use are reported (based on the ReCiPe methodology) as are human toxicity and ecotoxicity impacts (based on the USEtox methodology). The PCR requires that several parameters be reported in the EPD, including resource use, waste categories and output flows, and other environmental information. The results for these parameters per declared unit are also included below.

Note- INA = Indicator Not Assessed.

Table 5. Life cycle impact assessment results for the HBF 231723 C-C Shape Oval Egg Table. Results are shown per unit of product.

| Impact Category | Units | Total | Raw Material Extraction & Processing (Upstream Module) | Production (Core Module) | Distribution, Use & End-of-Life (Downstream Module) |
|---|-------------------------------------|----------------------|--|--------------------------|---|
| TRACI 2.1 LCIA Results | | | | | |
| Global Warming Potential, 100 year | kg CO ₂ eq | 270 | 210 | 28 | 34 |
| Acidification Potential | kg SO ₂ eq | 0.93 | 0.73 | 0.10 | 0.10 |
| Eutrophication Potential | kg N eq | 0.78 | 0.38 | 0.11 | 0.29 |
| Smog Potential | kg O ₃ eq | 13 | 10 | 0.70 | 2.2 |
| Ozone Depletion Potential | kg CFC-11 eq | 1.6x10 ⁻⁵ | 5.1x10 ⁻⁶ | 6.4x10 ⁻⁶ | 4.9x10 ⁻⁶ |
| CML-IA LCIA Results | | | | | |
| Global Warming Potential, 100 year | kg CO ₂ eq | 270 | 210 | 28 | 34 |
| Acidification Potential | kg SO ₂ eq | 0.93 | 0.73 | 0.11 | 0.08 |
| Eutrophication Potential | kg PO ₄ ³⁻ eq | 0.40 | 0.21 | 0.05 | 0.15 |
| Photochemical Ozone Creation Potential | kg C ₂ H ₄ | 6.3x10 ⁻² | 5.3x10 ⁻² | 6.0x10 ⁻³ | 3.7x10 ⁻³ |
| Ozone Depletion Potential | kg CFC-11 eq | 1.3x10 ⁻⁵ | 4.1x10 ⁻⁶ | 5.3x10 ⁻⁶ | 3.7x10 ⁻⁶ |
| Abiotic Resource Depletion, elements | kg Sb eq | 5.1x10 ⁻⁴ | 4.7x10 ⁻⁴ | 7.8x10 ⁻⁶ | 3.7x10 ⁻⁵ |
| Abiotic Resource Depletion, Fossil Fuels | MJ | 1,500 | 930 | 290 | 310 |
| Toxicity & Land Use LCIA Results | | | | | |
| Ecotoxicity | CTUe | 1,500 | 1,100 | 33 | 430 |
| Human Toxicity, cancer | CTUh | 3.5x10 ⁻⁵ | 3.4x10 ⁻⁵ | 1.0x10 ⁻⁶ | 5.2x10 ⁻⁷ |
| Human Toxicity, non-cancer | CTUh | 5.0x10 ⁻⁵ | 3.4x10 ⁻⁵ | 1.6x10 ⁻⁶ | 1.5x10 ⁻⁵ |
| Land Use | Species*yr | 1.7x10 ⁻⁶ | 1.5x10 ⁻⁶ | 1.4x10 ⁻⁷ | 6.6x10 ⁻⁸ |
| Use of Resources | | | | | |
| Primary Energy Demand | MJ | 2,500 | 1,500 | 720 | 330 |
| Non-renewable Material Resources | Kg | INA | INA | INA | INA |
| Non-Renewable Energy Resources | MJ | 2,100 | 1,100 | 630 | 330 |
| Renewable Material Resources | MJ | - | - | - | - |
| Renewable Energy Resources | MJ | 490 | 390 | 94 | 4 |
| Secondary Material Resources | kg | 6.7 | 6.7 | - | - |
| Secondary Energy Resources | MJ | Negligible | Negligible | Negligible | Negligible |
| Recovered Energy Flows | MJ | Negligible | Negligible | Negligible | Negligible |
| Water Use | kg | 1,500 | 1,200 | 260 | 92 |
| Wastes and Outflows | | | | | |
| Hazardous Waste | kg | 2.1 | 2.1 | - | 1.9x10 ⁻² |
| Non-hazardous Waste | kg | 84 | 52 | 10 | 22 |
| Material for Recycling | kg | 11 | - | - | 11 |

Table 6. Life cycle impact assessment results for the HBF 231723 (No Power) Oval Egg Table. Results are shown per unit of product.

| Impact Category | Units | Total | Raw Material Extraction & Processing (Upstream Module) | Production (Core Module) | Distribution, Use & End-of-Life (Downstream Module) |
|---|-------------------------------------|----------------------|--|--------------------------|---|
| TRACI 2.1 LCIA Results | | | | | |
| Global Warming Potential, 100 year | kg CO ₂ eq | 220 | 170 | 21 | 29 |
| Acidification Potential | kg SO ₂ eq | 0.68 | 0.52 | 0.08 | 0.08 |
| Eutrophication Potential | kg N eq | 0.48 | 0.12 | 0.08 | 0.29 |
| Smog Potential | kg O ₃ eq | 10 | 7.5 | 0.5 | 1.7 |
| Ozone Depletion Potential | kg CFC-11 eq | 1.1x10 ⁻⁵ | 2.1x10 ⁻⁶ | 4.8x10 ⁻⁶ | 3.8x10 ⁻⁶ |
| CML-IA LCIA Results | | | | | |
| Global Warming Potential, 100 year | kg CO ₂ eq | 220 | 170 | 21 | 29 |
| Acidification Potential | kg SO ₂ eq | 0.67 | 0.52 | 0.09 | 0.06 |
| Eutrophication Potential | kg PO ₄ ³⁻ eq | 0.26 | 0.08 | 0.04 | 0.14 |
| Photochemical Ozone Creation Potential | kg C ₂ H ₄ | 4.8x10 ⁻² | 4.1x10 ⁻² | 4.6x10 ⁻³ | 2.9x10 ⁻³ |
| Ozone Depletion Potential | kg CFC-11 eq | 8.6x10 ⁻⁶ | 1.7x10 ⁻⁶ | 4.0x10 ⁻⁶ | 2.8x10 ⁻⁶ |
| Abiotic Resource Depletion, elements | kg Sb eq | 1.4x10 ⁻⁴ | 1.1x10 ⁻⁴ | 6.1x10 ⁻⁶ | 2.8x10 ⁻⁵ |
| Abiotic Resource Depletion, Fossil Fuels | MJ | 920 | 470 | 220 | 230 |
| Toxicity & Land Use LCIA Results | | | | | |
| Ecotoxicity | CTUe | 530 | 370 | 34 | 130 |
| Human Toxicity, cancer | CTUh | 4.0x10 ⁻⁶ | 2.9x10 ⁻⁶ | 6.9x10 ⁻⁷ | 4.1x10 ⁻⁷ |
| Human Toxicity, non-cancer | CTUh | 1.9x10 ⁻⁵ | 1.3x10 ⁻⁵ | 1.7x10 ⁻⁶ | 4.3x10 ⁻⁶ |
| Land Use | Species*yr | 1.7x10 ⁻⁶ | 1.6x10 ⁻⁶ | 1.1x10 ⁻⁷ | 5.0x10 ⁻⁸ |
| Use of Resources | | | | | |
| Primary Energy Demand | MJ | 2,500 | 1,500 | 720 | 330 |
| Non-renewable Material Resources | kg | INA | INA | INA | INA |
| Non-Renewable Energy Resources | MJ | 1,300 | 570 | 480 | 250 |
| Renewable Material Resources | MJ | - | - | - | - |
| Renewable Energy Resources | MJ | 520 | 440 | 71 | 3.4 |
| Secondary Material Resources | kg | 6.7 | 6.7 | - | - |
| Secondary Energy Resources | MJ | Negligible | Negligible | Negligible | Negligible |
| Recovered Energy Flows | MJ | Negligible | Negligible | Negligible | Negligible |
| Water Use | kg | 1,100 | 790 | 200 | 74 |
| Wastes and Outflows | | | | | |
| Hazardous Waste | kg | 0.75 | 0.74 | - | 1.4x10 ⁻² |
| Non-hazardous Waste | kg | 45 | 16 | 7.2 | 22 |
| Material for Recycling | kg | 7.3 | - | - | 7.3 |

Table 7. Life cycle impact assessment results for the HBF 231723 (2x power) Oval Egg Table. Results are shown per unit of product.

| Impact Category | Units | Total | Raw Material Extraction & Processing (Upstream Module) | Production (Core Module) | Distribution, Use & End-of-Life (Downstream Module) |
|---|-------------------------------------|----------------------|--|--------------------------|---|
| TRACI 2.1 LCIA Results | | | | | |
| Global Warming Potential, 100 year | kg CO ₂ eq | 230 | 170 | 30 | 29 |
| Acidification Potential | kg SO ₂ eq | 0.75 | 0.59 | 0.082 | 0.077 |
| Eutrophication Potential | kg N eq | 0.55 | 0.23 | 0.03 | 0.29 |
| Smog Potential | kg O ₃ eq | 10 | 7.9 | 0.57 | 1.7 |
| Ozone Depletion Potential | kg CFC-11 eq | 1.1x10 ⁻⁵ | 2.4x10 ⁻⁶ | 4.9x10 ⁻⁶ | 3.8x10 ⁻⁶ |
| CML-IA LCIA Results | | | | | |
| Global Warming Potential, 100 year | kg CO ₂ eq | 230 | 170 | 30 | 29 |
| Acidification Potential | kg SO ₂ eq | 0.80 | 0.60 | 0.09 | 0.06 |
| Eutrophication Potential | kg PO ₄ ³⁻ eq | 0.29 | 0.13 | 0.02 | 0.14 |
| Photochemical Ozone Creation Potential | kg C ₂ H ₄ | 5.2x10 ⁻² | 4.4x10 ⁻² | 4.6x10 ⁻³ | 3.0x10 ⁻³ |
| Ozone Depletion Potential | kg CFC-11 eq | 9.0x10 ⁻⁶ | 2.0x10 ⁻⁶ | 4.1x10 ⁻⁶ | 2.9x10 ⁻⁶ |
| Abiotic Resource Depletion, elements | kg Sb eq | 7.1x10 ⁻⁴ | 6.8x10 ⁻⁴ | 6.3x10 ⁻⁶ | 2.8x10 ⁻⁵ |
| Abiotic Resource Depletion, Fossil Fuels | MJ | 990 | 530 | 220 | 240 |
| Toxicity & Land Use LCIA Results | | | | | |
| Ecotoxicity | CTUe | 990 | 580 | 32 | 380 |
| Human Toxicity, cancer | CTUh | 5.3x10 ⁻⁶ | 4.1x10 ⁻⁶ | 7.0x10 ⁻⁷ | 4.3x10 ⁻⁷ |
| Human Toxicity, non-cancer | CTUh | 4.2x10 ⁻⁵ | 2.7x10 ⁻⁵ | 1.6x10 ⁻⁶ | 1.3x10 ⁻⁵ |
| Land Use | Species*yr | 1.9x10 ⁻⁶ | 1.7x10 ⁻⁶ | 1.1x10 ⁻⁷ | 5.1x10 ⁻⁸ |
| Use of Resources | | | | | |
| Primary Energy Demand | MJ | 1,900 | 1,100 | 560 | 260 |
| Non-renewable Material Resources | kg | INA | INA | INA | INA |
| Non-Renewable Energy Resources | MJ | 1,400 | 640 | 490 | 260 |
| Renewable Material Resources | MJ | - | - | - | - |
| Renewable Energy Resources | MJ | 530 | 450 | 73 | 3 |
| Secondary Material Resources | kg | 6.7 | 6.7 | - | - |
| Secondary Energy Resources | MJ | Negligible | Negligible | Negligible | Negligible |
| Recovered Energy Flows | MJ | Negligible | Negligible | Negligible | Negligible |
| Water Use | kg | 1,100 | 830 | 200 | 75 |
| Wastes and Outflows | | | | | |
| Hazardous Waste | kg | 0.79 | 0.77 | - | 1.5x10 ⁻² |
| Non-hazardous Waste | kg | 53 | 24 | 7.2 | 22 |
| Material for Recycling | kg | 7.3 | - | - | 7.3 |

Table 8. Life cycle impact assessment results for the HBF 231723 (4x Power) Oval Egg Table. Results are shown per unit of product.

| Impact Category | Units | Total | Raw Material Extraction & Processing (Upstream Module) | Production (Core Module) | Distribution, Use & End-of-Life (Downstream Module) |
|---|-------------------------------------|----------------------|--|--------------------------|---|
| TRACI 2.1 LCIA Results | | | | | |
| Global Warming Potential, 100 year | kg CO ₂ eq | 240 | 180 | 31 | 30 |
| Acidification Potential | kg SO ₂ eq | 0.83 | 0.67 | 0.08 | 0.08 |
| Eutrophication Potential | kg N eq | 0.67 | 0.35 | 0.03 | 0.29 |
| Smog Potential | kg O ₃ eq | 11 | 8.3 | 0.59 | 1.7 |
| Ozone Depletion Potential | kg CFC-11 eq | 1.2x10 ⁻⁵ | 2.7x10 ⁻⁶ | 5.0x10 ⁻⁶ | 3.9x10 ⁻⁶ |
| CML-IA LCIA Results | | | | | |
| Global Warming Potential, 100 year | kg CO ₂ eq | 240 | 180 | 31 | 30 |
| Acidification Potential | kg SO ₂ eq | 0.8 | 0.7 | 0.09 | 0.06 |
| Eutrophication Potential | kg PO ₄ ³⁻ eq | 0.35 | 0.19 | 0.02 | 0.14 |
| Photochemical Ozone Creation Potential | kg C ₂ H ₄ | 5.5x10 ⁻² | 4.8x10 ⁻² | 4.7x10 ⁻³ | 3.0x10 ⁻³ |
| Ozone Depletion Potential | kg CFC-11 eq | 9.4x10 ⁻⁶ | 2.2x10 ⁻⁶ | 4.2x10 ⁻⁶ | 2.9x10 ⁻⁶ |
| Abiotic Resource Depletion, elements | kg Sb eq | 1.3x10 ⁻³ | 1.3x10 ⁻³ | 6.4x10 ⁻⁶ | 2.9x10 ⁻⁵ |
| Abiotic Resource Depletion, Fossil Fuels | MJ | 1,100 | 580 | 230 | 240 |
| Toxicity & Land Use LCIA Results | | | | | |
| Ecotoxicity | CTUe | 1,400 | 1,000 | 33 | 380 |
| Human Toxicity, cancer | CTUh | 6.5x10 ⁻⁶ | 5.4x10 ⁻⁶ | 7.0x10 ⁻⁷ | 4.4x10 ⁻⁷ |
| Human Toxicity, non-cancer | CTUh | 6.5x10 ⁻⁵ | 5.0x10 ⁻⁵ | 1.6x10 ⁻⁶ | 1.4x10 ⁻⁵ |
| Land Use | Species*yr | 2.0x10 ⁻⁶ | 1.8x10 ⁻⁶ | 1.1x10 ⁻⁷ | 5.3x10 ⁻⁸ |
| Use of Resources | | | | | |
| Primary Energy Demand | MJ | 2,000 | 1,200 | 570 | 260 |
| Non-renewable Material Resources | kg | INA | INA | INA | INA |
| Non-Renewable Energy Resources | MJ | 1,470 | 710 | 500 | 260 |
| Renewable Material Resources | MJ | - | - | - | - |
| Renewable Energy Resources | MJ | 540 | 460 | 74 | 4 |
| Secondary Material Resources | kg | 6.7 | 6.7 | - | - |
| Secondary Energy Resources | MJ | Negligible | Negligible | Negligible | Negligible |
| Recovered Energy Flows | MJ | Negligible | Negligible | Negligible | Negligible |
| Water Use | kg | 1,200 | 870 | 210 | 77 |
| Wastes and Outflows | | | | | |
| Hazardous Waste | kg | 0.81 | 0.79 | - | 1.5x10 ⁻² |
| Non-hazardous Waste | kg | 61 | 32 | 7.2 | 22 |
| Material for Recycling | kg | 7.3 | - | - | 7.3 |

Table 9. Life cycle impact assessment results for the HBF Cube 291723 Power Oval Egg Table. Results are shown per unit of product.

| Impact Category | Units | Total | Raw Material Extraction & Processing (Upstream Module) | Production (Core Module) | Distribution, Use & End-of-Life (Downstream Module) |
|---|-------------------------------------|----------------------|--|--------------------------|---|
| TRACI 2.1 LCIA Results | | | | | |
| Global Warming Potential, 100 year | kg CO ₂ eq | 370 | 260 | 55 | 53 |
| Acidification Potential | kg SO ₂ eq | 1.2 | 0.95 | 0.15 | 0.14 |
| Eutrophication Potential | kg N eq | 0.88 | 0.32 | 0.06 | 0.50 |
| Smog Potential | kg O ₃ eq | 17 | 13 | 1.0 | 3.1 |
| Ozone Depletion Potential | kg CFC-11 eq | 2.1x10 ⁻⁵ | 4.5x10 ⁻⁶ | 9.0x10 ⁻⁶ | 7.0x10 ⁻⁶ |
| CML-IA LCIA Results | | | | | |
| Global Warming Potential, 100 year | kg CO ₂ eq | 370 | 260 | 55 | 53 |
| Acidification Potential | kg SO ₂ eq | 1.2 | 0.9 | 0.16 | 0.12 |
| Eutrophication Potential | kg PO ₄ ³⁻ eq | 0.47 | 0.20 | 0.03 | 0.25 |
| Photochemical Ozone Creation Potential | kg C ₂ H ₄ | 7.5x10 ⁻² | 6.1x10 ⁻² | 8.4x10 ⁻³ | 5.5x10 ⁻³ |
| Ozone Depletion Potential | kg CFC-11 eq | 1.6x10 ⁻⁵ | 3.7x10 ⁻⁶ | 7.5x10 ⁻⁶ | 5.3x10 ⁻⁶ |
| Abiotic Resource Depletion, elements | kg Sb eq | 8.7x10 ⁻⁴ | 8.1x10 ⁻⁴ | 1.1x10 ⁻⁵ | 5.2x10 ⁻⁵ |
| Abiotic Resource Depletion, Fossil Fuels | MJ | 2,000 | 1,200 | 400 | 440 |
| Toxicity & Land Use LCIA Results | | | | | |
| Ecotoxicity | CTUe | 1,300 | 630 | 59 | 600 |
| Human Toxicity, cancer | CTUh | 7.2x10 ⁻⁶ | 5.2x10 ⁻⁶ | 1.2x10 ⁻⁶ | 7.9x10 ⁻⁷ |
| Human Toxicity, non-cancer | CTUh | 5.4x10 ⁻⁵ | 2.9x10 ⁻⁵ | 2.9x10 ⁻⁶ | 2.2x10 ⁻⁵ |
| Land Use | Species*yr | 3.6x10 ⁻⁶ | 3.3x10 ⁻⁶ | 2.0x10 ⁻⁷ | 9.4x10 ⁻⁸ |
| Use of Resources | | | | | |
| Primary Energy Demand | MJ | 3,500 | 2,000 | 1,000 | 480 |
| Non-renewable Material Resources | MJ | INA | INA | INA | INA |
| Non-Renewable Energy Resources | MJ | 2,900 | 1,500 | 890 | 470 |
| Renewable Material Resources | MJ | - | - | - | - |
| Renewable Energy Resources | MJ | 680 | 540 | 130 | 6 |
| Secondary Material Resources | kg | 23 | 23 | - | - |
| Secondary Energy Resources | MJ | Negligible | Negligible | Negligible | Negligible |
| Recovered Energy Flows | MJ | Negligible | Negligible | Negligible | Negligible |
| Water Use | kg | 1,900 | 1,400 | 380 | 130 |
| Wastes and Outflows | | | | | |
| Hazardous Waste | kg | 1.6 | 1.6 | - | 2.7x10 ⁻² |
| Non-hazardous Waste | kg | 80 | 33 | 13 | 34 |
| Material for Recycling | kg | 12 | - | - | 12 |

Table 10. Life cycle impact assessment results for the HBF Cube 611723 Power Oval Egg Table. Results are shown per unit of product.

| Impact Category | Units | Total | Raw Material Extraction & Processing (Upstream Module) | Production (Core Module) | Distribution, Use & End-of-Life (Downstream Module) |
|---|-------------------------------------|----------------------|--|--------------------------|---|
| TRACI 2.1 LCIA Results | | | | | |
| Global Warming Potential, 100 year | kg CO ₂ eq | 660 | 460 | 100 | 98 |
| Acidification Potential | kg SO ₂ eq | 2.2 | 1.6 | 0.27 | 0.26 |
| Eutrophication Potential | kg N eq | 1.6 | 0.57 | 0.11 | 0.93 |
| Smog Potential | kg O ₃ eq | 31 | 23 | 1.9 | 5.7 |
| Ozone Depletion Potential | kg CFC-11 eq | 3.7x10 ⁻⁵ | 8.0x10 ⁻⁶ | 1.6x10 ⁻⁵ | 1.3x10 ⁻⁵ |
| CML-IA LCIA Results | | | | | |
| Global Warming Potential, 100 year | kg CO ₂ eq | 660 | 460 | 100 | 98 |
| Acidification Potential | kg SO ₂ eq | 2.2 | 1.6 | 0.30 | 0.21 |
| Eutrophication Potential | kg PO ₄ ³⁻ eq | 0.86 | 0.35 | 0.06 | 0.46 |
| Photochemical Ozone Creation Potential | kg C ₂ H ₄ | 0.16 | 0.13 | 1.54x10 ⁻² | 1.00x10 ⁻² |
| Ozone Depletion Potential | kg CFC-11 eq | 3x10 ⁻⁵ | 6.57x10 ⁻⁶ | 1.38x10 ⁻⁵ | 9.7x10 ⁻⁶ |
| Abiotic Resource Depletion, elements | kg Sb eq | 1.6x10 ⁻³ | 1.5x10 ⁻³ | 2.0x10 ⁻⁵ | 9.6x10 ⁻⁵ |
| Abiotic Resource Depletion, Fossil Fuels | MJ | 3,400 | 1,900 | 740 | 800 |
| Toxicity & Land Use LCIA Results | | | | | |
| Ecotoxicity | CTUe | 2,400 | 1,200 | 110 | 1,100 |
| Human Toxicity, cancer | CTUh | 1.2x10 ⁻⁵ | 8.8x10 ⁻⁶ | 2.2x10 ⁻⁶ | 1.4x10 ⁻⁶ |
| Human Toxicity, non-cancer | CTUh | 1.0x10 ⁻⁴ | 5.6x10 ⁻⁵ | 5.4x10 ⁻⁶ | 4.1x10 ⁻⁵ |
| Land Use | Species*yr | 6.5x10 ⁻⁶ | 6.0x10 ⁻⁶ | 3.7x10 ⁻⁷ | 1.7x10 ⁻⁷ |
| Use of Resources | | | | | |
| Primary Energy Demand | MJ | 6,400 | 3,600 | 1,900 | 870 |
| Non-renewable Material Resources | MJ | INA | INA | INA | INA |
| Non-Renewable Energy Resources | MJ | 4,900 | 2,400 | 1,600 | 860 |
| Renewable Material Resources | MJ | - | - | - | - |
| Renewable Energy Resources | MJ | 1,500 | 1,200 | 240 | 12 |
| Secondary Material Resources | kg | 34 | 34 | - | - |
| Secondary Energy Resources | MJ | Negligible | Negligible | Negligible | Negligible |
| Recovered Energy Flows | MJ | Negligible | Negligible | Negligible | Negligible |
| Water Use | kg | 3,300 | 2,400 | 690 | 250 |
| Wastes and Outflows | | | | | |
| Hazardous Waste | kg | 2.7 | 2.6 | - | 5.0x10 ⁻² |
| Non-hazardous Waste | kg | 140 | 54 | 25 | 65 |
| Material for Recycling | kg | 19 | - | - | 19 |

Table 11. Life cycle impact assessment results for the HBF 463415 Power Oval Egg Table. Results are shown per unit of product.

| Impact Category | Units | Total | Raw Material Extraction & Processing (Upstream Module) | Production (Core Module) | Distribution, Use & End-of-Life (Downstream Module) |
|---|-------------------------------------|-----------------------|--|--------------------------|---|
| TRACI 2.1 LCIA Results | | | | | |
| Global Warming Potential, 100 year | kg CO ₂ eq | 400 | 270 | 68 | 64 |
| Acidification Potential | kg SO ₂ eq | 1.1 | 0.79 | 0.18 | 0.17 |
| Eutrophication Potential | kg N eq | 1.0 | 0.35 | 0.07 | 0.59 |
| Smog Potential | kg O ₃ eq | 16 | 11 | 1.3 | 3.9 |
| Ozone Depletion Potential | kg CFC-11 eq | 2.7x10 ⁻⁵ | 6.9x10 ⁻⁶ | 1.1x10 ⁻⁵ | 8.7x10 ⁻⁶ |
| CML-IA LCIA Results | | | | | |
| Global Warming Potential, 100 year | kg CO ₂ eq | 400 | 270 | 68 | 65 |
| Acidification Potential | kg SO ₂ eq | 1.1 | 0.79 | 0.20 | 0.14 |
| Eutrophication Potential | kg PO ₄ ³⁻ eq | 0.53 | 0.20 | 0.04 | 0.29 |
| Photochemical Ozone Creation Potential | kg C ₂ H ₄ | 0.17 | 0.15 | 1.04x10 ⁻² | 6.77x10 ⁻³ |
| Ozone Depletion Potential | kg CFC-11 eq | 2.16x10 ⁻⁵ | 5.7x10 ⁻⁶ | 9.31x10 ⁻⁶ | 6.57x10 ⁻⁶ |
| Abiotic Resource Depletion, elements | kg Sb eq | 8.2x10 ⁻⁴ | 7.4x10 ⁻⁴ | 1.4x10 ⁻⁵ | 6.5x10 ⁻⁵ |
| Abiotic Resource Depletion, Fossil Fuels | MJ | 1,800 | 790 | 500 | 540 |
| Toxicity & Land Use LCIA Results | | | | | |
| Ecotoxicity | CTUe | 1,500 | 710 | 73 | 670 |
| Human Toxicity, cancer | CTUh | 7.7x10 ⁻⁶ | 5.3x10 ⁻⁶ | 1.4x10 ⁻⁶ | 9.7x10 ⁻⁷ |
| Human Toxicity, non-cancer | CTUh | 6.1x10 ⁻⁵ | 3.3x10 ⁻⁵ | 3.6x10 ⁻⁶ | 2.4x10 ⁻⁵ |
| Land Use | Species*yr | 6.6x10 ⁻⁶ | 6.2x10 ⁻⁶ | 2.5x10 ⁻⁷ | 1.5x10 ⁻⁷ |
| Use of Resources | | | | | |
| Primary Energy Demand | MJ | 5,500 | 3,600 | 1,300 | 590 |
| Non-renewable Material Resources | MJ | INA | INA | INA | INA |
| Non-Renewable Energy Resources | MJ | 2,600 | 930 | 1,100 | 580 |
| Renewable Material Resources | MJ | - | - | - | - |
| Renewable Energy Resources | MJ | 2,900 | 2,700 | 170 | 8 |
| Secondary Material Resources | kg | - | - | - | - |
| Secondary Energy Resources | MJ | Negligible | Negligible | Negligible | Negligible |
| Recovered Energy Flows | MJ | Negligible | Negligible | Negligible | Negligible |
| Water Use | kg | 1,700 | 1,100 | 470 | 160 |
| Wastes and Outflows | | | | | |
| Hazardous Waste | kg | 1.1 | 1.1 | - | 3.4x10 ⁻² |
| Non-hazardous Waste | kg | 92 | 38 | 17 | 37 |
| Material for Recycling | kg | 12 | - | - | 12 |

Table 12. Life cycle impact assessment results for the HBF 463415 No Power Oval Egg Table. Results are shown per unit of product.

| Impact Category | Units | Total | Raw Material Extraction & Processing (Upstream Module) | Production (Core Module) | Distribution, Use & End-of-Life (Downstream Module) |
|---|-------------------------------------|----------------------|--|--------------------------|---|
| TRACI 2.1 LCIA Results | | | | | |
| Global Warming Potential, 100 year | kg CO ₂ eq | 380 | 270 | 45 | 64 |
| Acidification Potential | kg SO ₂ eq | 1.1 | 0.72 | 0.18 | 0.17 |
| Eutrophication Potential | kg N eq | 1.0 | 0.23 | 0.19 | 0.59 |
| Smog Potential | kg O ₃ eq | 16 | 11 | 1.2 | 3.8 |
| Ozone Depletion Potential | kg CFC-11 eq | 2.6x10 ⁻⁵ | 6.6x10 ⁻⁶ | 1.1x10 ⁻⁵ | 8.6x10 ⁻⁶ |
| CML-IA LCIA Results | | | | | |
| Global Warming Potential, 100 year | kg CO ₂ eq | 380 | 270 | 48 | 64 |
| Acidification Potential | kg SO ₂ eq | 1.0 | 0.71 | 0.20 | 0.14 |
| Eutrophication Potential | kg PO ₄ ³⁻ eq | 0.52 | 0.15 | 0.08 | 0.29 |
| Photochemical Ozone Creation Potential | kg C ₂ H ₄ | 0.16 | 0.15 | 1.1x10 ⁻² | 6.7x10 ⁻³ |
| Ozone Depletion | kg CFC-11 eq | 2.1x10 ⁻⁵ | 5.5x10 ⁻⁶ | 9.2x10 ⁻⁶ | 6.5x10 ⁻⁶ |
| Abiotic Resource Depletion, elements | kg Sb eq | 2.5x10 ⁻⁴ | 1.7x10 ⁻⁴ | 1.3x10 ⁻⁵ | 6.4x10 ⁻⁵ |
| Abiotic Resource Depletion, Fossil Fuels | MJ | 1,800 | 730 | 500 | 540 |
| Toxicity & Land Use LCIA Results | | | | | |
| Ecotoxicity | CTUe | 1,000 | 660 | 79 | 260 |
| Human Toxicity, cancer | CTUh | 6.4x10 ⁻⁶ | 4.1x10 ⁻⁶ | 1.4x10 ⁻⁶ | 9.4x10 ⁻⁷ |
| Human Toxicity, non-c | CTUh | 3.7x10 ⁻⁵ | 2.4x10 ⁻⁵ | 3.8x10 ⁻⁶ | 9.7x10 ⁻⁶ |
| Land Use | Species*yr | 6.5x10 ⁻⁶ | 6.1x10 ⁻⁶ | 2.5x10 ⁻⁷ | 1.5x10 ⁻⁷ |
| Use of Resources | | | | | |
| Primary Energy Demand | MJ | 5,400 | 3,600 | 1,300 | 580 |
| Non-renewable Material Resources | MJ | INA | INA | INA | INA |
| Non-Renewable Energy Resources | MJ | 2,500 | 860 | 1,100 | 580 |
| Renewable Material Resources | MJ | - | - | - | - |
| Renewable Energy Resources | MJ | 2,900 | 2,700 | 160 | 8 |
| Secondary Material Resources | kg | - | - | - | - |
| Secondary Energy Resources | MJ | Negligible | Negligible | Negligible | Negligible |
| Recovered Energy Flows | MJ | Negligible | Negligible | Negligible | Negligible |
| Water Use | kg | 1,700 | 1,100 | 450 | 160 |
| Wastes and Outflows | | | | | |
| Hazardous Waste | kg | 1.0 | 1.0 | - | 3.3x10 ⁻² |
| Non-hazardous Waste | kg | 84 | 30 | 17 | 37 |
| Material for Recycling | kg | 12 | - | - | 12 |

Table 13. Life cycle impact assessment results for the HBF Cone 30D42 Oval Egg Table. Results are shown per unit of product.

| Impact Category | Units | Total | Raw Material Extraction & Processing (Upstream Module) | Production (Core Module) | Distribution, Use & End-of-Life (Downstream Module) |
|---|-------------------------------------|----------------------|--|--------------------------|---|
| TRACI 2.1 LCIA Results | | | | | |
| Global Warming Potential, 100 year | kg CO ₂ eq | 500 | 390 | 58 | 56 |
| Acidification Potential | kg SO ₂ eq | 1.7 | 1.2 | 0.22 | 0.20 |
| Eutrophication Potential | kg N eq | 1.4 | 0.48 | 0.22 | 0.68 |
| Smog Potential | kg O ₃ eq | 23 | 17 | 1.5 | 4.5 |
| Ozone Depletion Potential | kg CFC-11 eq | 3.2x10 ⁻⁵ | 1.0x10 ⁻⁵ | 1.3x10 ⁻⁵ | 8.1x10 ⁻⁶ |
| CML-IA LCIA Results | | | | | |
| Global Warming Potential, 100 year | kg CO ₂ eq | 500 | 390 | 58 | 56 |
| Acidification Potential | kg SO ₂ eq | 1.6 | 1.2 | 0.24 | 0.17 |
| Eutrophication Potential | kg PO ₄ ³⁻ eq | 0.72 | 0.28 | 0.10 | 0.34 |
| Photochemical Ozone Creation Potential | kg C ₂ H ₄ | 0.15 | 0.13 | 1.3x10 ⁻² | 7.8x10 ⁻³ |
| Ozone Depletion Potential | kg CFC-11 eq | 2.6x10 ⁻⁵ | 6.8x10 ⁻⁶ | 1.1x10 ⁻⁵ | 7.7x10 ⁻⁶ |
| Abiotic Resource Depletion, elements | kg Sb eq | 6.3x10 ⁻⁴ | 5.4x10 ⁻⁴ | 1.6x10 ⁻⁵ | 7.6x10 ⁻⁵ |
| Abiotic Resource Depletion, Fossil Fuels | MJ | 2,300 | 1,100 | 590 | 640 |
| Toxicity & Land Use LCIA Results | | | | | |
| Ecotoxicity | CTUe | 2,200 | 1,200 | 94 | 910 |
| Human Toxicity, cancer | CTUh | 4.1x10 ⁻⁵ | 3.8x10 ⁻⁵ | 1.6x10 ⁻⁶ | 1.1x10 ⁻⁶ |
| Human Toxicity, non-cancer | CTUh | 7.6x10 ⁻⁵ | 4.0x10 ⁻⁵ | 4.6x10 ⁻⁶ | 3.2x10 ⁻⁵ |
| Land Use | Species*yr | 3.7x10 ⁻⁶ | 3.3x10 ⁻⁶ | 3.0x10 ⁻⁷ | 1.4x10 ⁻⁷ |
| Use of Resources | | | | | |
| Primary Energy Demand | MJ | 3,900 | 2,000 | 1,300 | 590 |
| Non-renewable Material Resources | MJ | INA | INA | INA | INA |
| Non-Renewable Energy Resources | MJ | 2,500 | 860 | 1,100 | 580 |
| Renewable Material Resources | MJ | - | - | - | - |
| Renewable Energy Resources | MJ | 1,300 | 1,100 | 200 | 9 |
| Secondary Material Resources | kg | 5.0 | 5.0 | - | - |
| Secondary Energy Resources | MJ | Negligible | Negligible | Negligible | Negligible |
| Recovered Energy Flows | MJ | Negligible | Negligible | Negligible | Negligible |
| Water Use | kg | 2,600 | 1,900 | 540 | 170 |
| Wastes and Outflows | | | | | |
| Hazardous Waste | kg | 2.6 | 2.6 | - | 3.9x10 ⁻² |
| Non-hazardous Waste | kg | 130 | 61 | 20 | 53 |
| Material for Recycling | kg | 16 | - | - | 16 |

Additional life cycle impact results are reported in Table 14 below as optional parameters of concern. These impacts are calculated using the LEO-SCS-002 framework, which augments the specified impact categories identified by the PCR. Table 15 includes equivalency factors that were determined for the purpose of communicating critical environmental impacts in simplified terms for better understanding.

Table 14. Life cycle impact assessment results for the HBF Oval Egg Tables according to LEO-SCS-002 draft standard. Results are shown per unit of product.

| Product Name | Global Climate Change kg CO ₂ eq | Ocean Acidification kg H ₂ CO ₃ eq | Energy Resource Depletion GJ eq |
|-------------------|--|---|------------------------------------|
| 231723 C-C Shape | 200 | 350 | 0.66 |
| 231723 (No Power) | 170 | 280 | 0.42 |
| 231723 (2x power) | 150 | 300 | 0.45 |
| 231723 (4x Power) | 140 | 310 | 0.48 |
| Cube 291723 Power | 250 | 480 | 0.91 |
| Cube 611723 Power | 450 | 860 | 1.6 |
| 463415 Power | 230 | 540 | 0.88 |
| 463415 No Power | 250 | 500 | 0.86 |
| Cone 30D42 | 370 | 660 | 1.1 |

Results for select impact category indicators are translated to the number of miles driven in a typical passenger vehicle, the number of cycles run in a dishwasher, the number of days required to operate refrigerator and the number of hours of lighting a typical office building. These results are provided to help customers interpret the scale of potential environmental impact attributed to the product.



Table 15. *Equivalency Factors for select life cycle impact assessment results for the HBF Oval Egg Tables. Results are shown per unit of product.*

| Category Indicator (Equivalency Factor) | 231723 C-C Shape | 231723 (No Power) | 231723 (2x power) | 231723 (4x Power) | Cube 291723 Power | Cube 611723 Power | 463415 Power | 463415 No Power | Cone 30D42 |
|--|---------------------|----------------------|----------------------|----------------------|-------------------------|-------------------------|-----------------|--------------------|----------------|
| Global Warming Potential, 100 year (kg CO ₂ eq) | 270 | 220 | 230 | 240 | 370 | 660 | 400 | 380 | 500 |
| <i>(Number of miles driven in a typical passenger vehicle)</i> | <i>(675)</i> | <i>(550)</i> | <i>(575)</i> | <i>(600)</i> | <i>(925)</i> | <i>(1,650)</i> | <i>(1,000)</i> | <i>(950)</i> | <i>(1,250)</i> |
| Global Climate Change-LEO-SCS-002 (kg CO ₂ eq) | 200 | 170 | 150 | 140 | 250 | 450 | 230 | 250 | 370 |
| <i>(Number of miles driven in a typical passenger vehicle)</i> | <i>(447)</i> | <i>(380)</i> | <i>(335)</i> | <i>(313)</i> | <i>(559)</i> | <i>(1,000)</i> | <i>(514)</i> | <i>(559)</i> | <i>(828)</i> |
| Water Use (kg) | 1,500 | 1,100 | 1,100 | 1,160 | 1,900 | 3,300 | 1,700 | 1,700 | 2,600 |
| <i>(Number of cycles run in a dishwasher)</i> | <i>(34)</i> | <i>(25)</i> | <i>(25)</i> | <i>(26)</i> | <i>(43)</i> | <i>(74)</i> | <i>(38)</i> | <i>(38)</i> | <i>(58)</i> |
| Primary Energy Demand (MJ eq.) | 2,500 | 2,500 | 1,900 | 2,000 | 3,500 | 6,400 | 5,500 | 5,400 | 3,900 |
| <i>(Number of days of operating a refrigerator)</i> | <i>(132)</i> | <i>(132)</i> | <i>(100)</i> | <i>(106)</i> | <i>(185)</i> | <i>(338)</i> | <i>(290)</i> | <i>(285)</i> | <i>(206)</i> |
| <i>(Hours of lighting a typical office building)</i> | <i>(33)</i> | <i>(33)</i> | <i>(25)</i> | <i>(26)</i> | <i>(46)</i> | <i>(85)</i> | <i>(73)</i> | <i>(71)</i> | <i>(52)</i> |
| Energy Resource Depletion (GJ eq.) | 0.66 | 0.42 | 0.45 | 0.48 | 0.91 | 1.6 | 0.88 | 0.86 | 1.1 |
| <i>(Number of days of operating a refrigerator)</i> | <i>(35)</i> | <i>(22)</i> | <i>(24)</i> | <i>(25)</i> | <i>(48)</i> | <i>(84)</i> | <i>(46)</i> | <i>(45)</i> | <i>(58)</i> |

ADDITIONAL ENVIRONMENTAL INFORMATION

HBF supports green initiatives in the contract furniture and textile industries as a member of BIFMA and ACT. The Oval Egg tables and custom variates in this EPD are manufactured using FSC certified wood.

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