Montara650 Table

Product Environmental Profile is an environmental declaration according to the objectives of ISO 14021. Precise, accurate, verifiable and relevant information on sustainability attributes of the Montara650 Table.

Highly adaptable, the Montara650 Table is available in multiple heights and shapes and can be finished in any laminate or veneer. An optional PowerPod expands your application choices.

The model chosen for analysis is the most representative line (reference # COSFZWTSQ) from the Montara650 Table range. Standard features on this model include:

- Laminate top with 1/2" profile
- Painted pedestal base

* Product pictured is not the exact style of the product studied in this document.
Environmental Overview

Final Assembly Location

Final assembly of Montara650 Table is in Grand Rapids, Michigan, USA and Muskegon, Michigan, USA for Steelcase for the NA (North America) market.

Life Cycle Performance

Steelcase considers each phase of the life cycle: from materials extraction, production, transport, use and reuse, through the end of its life.

Materials

Materials Composition

A break down of the basic materials in Montara650 Table.

Materials Chemistry

Steelcase’s materials chemistry practice aims to design products with materials that support human and environmental health, throughout all phases of the life cycle.

Recycled Materials and Recyclability

Montara650 Table contains 43% recycled materials, by weight (32% pre-consumer + 11% post-consumer).

At the end of its useful life, Montara650 Table is 66% effectively recyclable by weight.

Certifications and Labels

The environmental and social performance of Montara650 Table is communicated through the following voluntary labels/certifications:

• SCS Indoor Advantage™ Gold
• BIFMA level® 2

LEED Contribution

Montara650 Table may contribute in the following areas:

• Recycled content
• Materials reuse
• Regional materials
• Low-emitting materials
• Interiors life-cycle impact reduction
• Design for flexibility
• Daylight and views
• Building product disclosure and optimization - sourcing of raw materials
• Quality Views
• Construction and demolition waste management
• Environmentally Preferable finishes and furnishings
• Social equity in the supply chain
Life Cycle Performance

Steelcase considers each phase of the life cycle: from materials extraction, production, transport, use and reuse, through the end of its life.

Materials
This phase includes raw materials extraction and transformation into material ready to be used.

- Montara650 Table contains 43% recycled materials, by weight (32% pre-consumer + 11% post-consumer).
- Materials chemistry assessment completed for this product.
- Plastic parts do not contain pigments with Cadmium, Chrome VI and Mercury.
- Low formaldehyde & VOC emissions / concentration according to ANSI/BIFMA X7.1 and ANSI/BIFMA e.3 VOC’s of concern.
- Product can be ordered with PVC-free edge banding.
- Packaged with 50% recycled cardboard, 15% recycled expanded PE, and 15% recycled LDPE film.

Production
This phase comprises all production and assembly processes taking place at Steelcase or at their suppliers and sub-suppliers.

- The plant in Grand Rapids, MI, USA is ISO 14001 and LEED certified.
- Water-based adhesives used in assembly.
- Final assembly of Montara650 Table is in Grand Rapids, Michigan, USA and Muskegon, Michigan, USA for Steelcase for the NA (North America) market.
- Designed for a long product life, with replaceable parts that are easy to change.
- Cleaning instructions available.
- Maintenance information available upon request.

Transport
This phase includes downstream transports.

- Optimized packaging to keep transportation volumes as low as possible and improve filling rates.
- Flat / Optimized packaging.
- Bulk packaging used for this product, wherever possible, to optimize volume in shipping.
- Product is shipped knocked down 2 pieces in all possible scenarios - allowing for optimization of transport volume.
- Bases made in Europe.
- Tops made in North America.

Use
During the use phase of the product - the longest phase of the life cycle - no significant environmental impacts occur.

- Designed for a long product life, with replaceable parts that are easy to change.
- Cleaning instructions available.
- Maintenance information available upon request.

End of Use
Any product can become a resource itself, or be responsibly disposed of in different ways.

- Designed to enable responsible end of use strategies - re-selling, refurbishing, charitable donation or recycling.
- 66% effectively recyclable by weight, according to the current waste disposal schemes.
- 100% effectively recyclable packaging.
- Designed for quick and easy disassembly of materials - with no permanent assembly.
- Disassembly and recycling directions available upon request, for a representative configuration.
- The Steelcase Phase 2 Program provides end-of-use, end-of-need and end-of-life disposition solutions that align with your Corporate Social Responsibility Goals. For more information, and to see if this service is available in your area, please contact your Steelcase sales representative for more information.
Montara650 Table materials composition is listed below*.

<table>
<thead>
<tr>
<th>MATERIALS</th>
<th>kg</th>
<th>lb</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>METALS</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Steel</td>
<td>25.54</td>
<td>56.3</td>
<td>60.26</td>
</tr>
<tr>
<td><strong>WOOD BASED MATERIALS</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MDF</td>
<td>11.66</td>
<td>25.7</td>
<td>27.53</td>
</tr>
<tr>
<td>Laminate</td>
<td>2.59</td>
<td>5.7</td>
<td>6.12</td>
</tr>
<tr>
<td><strong>PLASTICS</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Polypropylene (PP)</td>
<td>2.16</td>
<td>4.8</td>
<td>5.1</td>
</tr>
<tr>
<td>Polycarbonate (PC)</td>
<td>&lt;0.1</td>
<td>0.1</td>
<td>0.15</td>
</tr>
<tr>
<td><strong>OTHER MATERIALS</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Adhesive</td>
<td>0.19</td>
<td>0.4</td>
<td>0.46</td>
</tr>
<tr>
<td>Natural rubber</td>
<td>0.16</td>
<td>0.4</td>
<td>0.38</td>
</tr>
<tr>
<td><strong>TOTAL WEIGHT</strong></td>
<td>42.4</td>
<td>93.4</td>
<td></td>
</tr>
</tbody>
</table>

*The list of materials does not contain all materials used in the product (adhesives, coatings, residuals, etc.).

**Materials Chemistry**

Steelcase's goal in its materials chemistry practice is to design products with materials that have been evaluated or assessed for several human and environmental health criteria – all in an effort to understand and optimize the products throughout their life cycle.

Steelcase is working with our supply chain to inventory and assess materials in this product down to 0.01% (or 100 ppm) in each homogeneous material with the intent to eliminate chemicals of concern and optimize with healthier materials of equal or greater functionality.

Steelcase intends to refrain purchasing products, components, or materials containing any “Democratic Republic of the Congo (DRC) Conflict Minerals” (coltan from which tantalum is derived), cassiterite (tin), gold, wolframite (tungsten), or their derivatives, and any other minerals or derivatives which the U.S. Secretary of State determines to be financing conflict in the DRC or an adjoining country.
Recycled Materials and Recyclability

Recycled materials are determined by weight and defined in accordance with the ISO 14021. They may include pre- and post-consumer materials:

- Pre-consumer materials (or post-industrial recycled materials) are materials diverted from the waste stream during a manufacturing process. Excluded is reutilization of materials such as rework, regrind or scrap generated in a process and capable of being reclaimed within the same process that generated it.

- Post-consumer materials are materials generated by households or by commercial, industrial and institutional facilities in their role as end-users of the final product, which can no longer be used for its intended purpose. This includes returns of material from the distribution chain.

### MONTARA650 TABLES

<table>
<thead>
<tr>
<th></th>
<th>kg</th>
<th>lb</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pre-consumer recycled content</td>
<td>13.7</td>
<td>30.2</td>
<td>32</td>
</tr>
<tr>
<td>Post-consumer recycled content</td>
<td>4.6</td>
<td>10.1</td>
<td>11</td>
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<tr>
<td>Total recycled content</td>
<td>18.3</td>
<td>40.3</td>
<td>43</td>
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</tbody>
</table>

*Calculations of recycled materials are based on data provided by professional organizations, suppliers and other available information. Recycled content figures are based off of product weight only, and exclude packaging for evaluation to LEED contribution and other purposes. This data may include industry averages, ranges or other broadly based information. Steelcase makes conservative assumptions when compiling this information to provide the most accurate recycled content calculations possible but variability in market conditions or manufacturing processes may result in higher or lower content. This document will be reviewed and updated periodically and is subject to change without notice.

Recyclability

Steelcase considers a material recyclable if it can be effectively collected, sorted, processed, and converted into raw materials to be used in the production of new products.* Recyclability calculation does not include packaging.

*Calculations of recycled materials are based on data provided by professional organizations, suppliers and other available information. Recycled content figures are based off of product weight only, and exclude packaging for evaluation to LEED contribution and other purposes. This data may include industry averages, ranges or other broadly based information. Steelcase makes conservative assumptions when compiling this information to provide the most accurate recycled content calculations possible but variability in market conditions or manufacturing processes may result in higher or lower content. This document will be reviewed and updated periodically and is subject to change without notice.

According to the available waste management infrastructures, we estimate that 66% is effectively recyclable.

*Excludes packaging. To be compliant with applicable regulations, Steelcase calculations are based on the materials having physical properties that allow recycling, our evaluation of the ability to disassemble the products and the actual availability of recycling services in the markets where the products are sold.
Certificates

To show continuous improvements, Steelcase communicates the environmental and social performance of its products through voluntary labels and declarations.

ON THE PRODUCTS

BIFMA level
This product is level 2 certified, BIFMA's sustainability certification program for furniture. This certification program assesses a product's impact to materials, energy & atmosphere, human & ecosystem health, and social responsibility.

SCS Indoor Advantage™ Gold
This product is SCS Indoor Advantage™ Gold, certified according to the indoor air quality emissions requirements defined by the ANSI/BIFMA M7.1-2011.

ON THE PLANTS

ISO 14001
The plant in Grand Rapids, MI, USA is ISO (International Organization for Standardization) 14001 - Environmental management system certified.

LEED
The manufacturing plant in Grand Rapids, Michigan, USA, is LEED (Leadership in Energy and Environmental Design) certified.

1 Indoor Advantage™ and Indoor Advantage™ Gold are trademarks of Scientific Certification Systems.
LEED V3 – 2009

LEED, or Leadership in Energy & Environmental Design, is a green building certification program that recognizes best-in-class building strategies and practices. Montara650 Table may contribute to a project’s pursuit of LEED certification across the three rating systems:

- LEED-ID+C - Interior Design & Construction 2009 (formerly LEED-CI)
- LEED-BD+C - Building Design & Construction 2009 (formerly LEED-NC, LEED-Core & Shell & LEED-Schools)
- LEED-O+M - Operations & Maintenance (formerly LEED-EB)

<table>
<thead>
<tr>
<th>CREDITS</th>
<th>RATING SYSTEM</th>
<th>POTENTIAL CONTRIBUTION*</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>ID+C</td>
<td>BD+C</td>
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<tr>
<td>Materials &amp; Resources</td>
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<tr>
<td>Recycled content</td>
<td>MRc4</td>
<td>MRc4</td>
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<tr>
<td>Healthcare:</td>
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<tr>
<td>MRc2.2: Sustainable purchasing- Furniture</td>
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<tr>
<td>Materials reuse</td>
<td>MRc3.2</td>
<td>MRc5</td>
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<td>Healthcare:</td>
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<tr>
<td>MRc5 Option 3</td>
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<tr>
<td>Regional materials</td>
<td>MRc5</td>
<td>MRc5</td>
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<tr>
<td>Healthcare:</td>
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<tr>
<td>MRc5 Option 3</td>
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<tr>
<td>Indoor Environmental Quality</td>
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<tr>
<td>Low emitting materials</td>
<td>EQc4.5</td>
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<tr>
<td>Healthcare:</td>
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<tr>
<td>MRc5 Option 2</td>
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<tr>
<td>Daylight and views</td>
<td>EQc8.1 &amp; 8.2</td>
<td>EQc8.1 &amp; 8.2*</td>
</tr>
</tbody>
</table>

*For Potential Contribution: These are the probable contributions; exact contributions will be dependent on the LEED rating system and the specific product.

**For LEED BD+C: New Construction, these standards do not currently apply to furniture in the IEQ credit; however, the USGBC has allowed equivalent credit for furniture / furnishings when submitted as an Innovation in Design credit.
LEED V4

LEED is a rating system that drives integrated design thinking as it relates to various aspects of green buildings. Montara650 Table can contribute to a project’s pursuit of LEED Certification across the three rating systems:

- LEED-ID+C - Interior Design & Construction
- LEED-BD+C - Building Design & Construction
- LEED-O+M - Operations & Maintenance

<table>
<thead>
<tr>
<th>CREDITS</th>
<th>RATING SYSTEM</th>
<th>POTENTIAL CONTRIBUTION*</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ID+C</td>
<td>BD+C</td>
</tr>
<tr>
<td>Interiors life-cycle impact reduction</td>
<td>Option 2: Furniture Reuse</td>
<td>N/A</td>
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<tr>
<td></td>
<td>Option 3: Design for flexibility</td>
<td>N/A</td>
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<tr>
<td>Building product disclosure and optimization - sourcing of raw materials</td>
<td>Option 2: Leadership extraction practices</td>
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</tr>
<tr>
<td></td>
<td>Healthcare - Medical furniture &amp; furnishings</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Option 3: Multi-attribute assessment</td>
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</tr>
<tr>
<td></td>
<td>Option 2: Leadership extraction practices</td>
<td></td>
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<tr>
<td></td>
<td>Healthcare - Medical furniture &amp; furnishings</td>
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<tr>
<td>Building product disclosure and optimization - material ingredients</td>
<td>Option 1: Material Ingredient Reporting</td>
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<td></td>
<td>Furniture and medical furnishings</td>
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<tr>
<td></td>
<td>Option 1: Minimal chemical content</td>
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<tr>
<td>Construction &amp; Demolition Waste Planning &amp; Management</td>
<td>Required</td>
<td>Required</td>
</tr>
</tbody>
</table>

*For Potential Contribution: These are the probable contributions; exact contributions will be dependent on the LEED rating system and the specific product.
Other Potential LEED V4 Contributions

Pilot Credits:
The following credits are potential contribution areas for Steelcase products and applications

<table>
<thead>
<tr>
<th>Environmentally preferable finishes and furnishings</th>
<th>MR Pilot</th>
<th>MR Pilot</th>
<th>N/A</th>
<th>Montara650 Table is level® 2 certified, which contributes to this pilot credit.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Social equity in the supply chain</td>
<td>N/A</td>
<td>MR Pilot</td>
<td>N/A</td>
<td>Montara650 Table is level® 2 certified, which contributes to this pilot credit which demonstrates compliance to ANSI/BIFMA e3 Sustainability Standard – Social Responsibility sections 8.7.2.1 and 8.7.2.2</td>
</tr>
</tbody>
</table>

*For Potential Contribution: These are the probable contributions; exact contributions will be dependent on the LEED rating system and the specific product

Refer to www.usgbc.org for LEED Program details.
Steelcase sustainability related actions and results are communicated annually in the Corporate Sustainability Report.

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