



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

Migration

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

Greater movement. Better thinking.

Providing workers with environments that support wellbeing is essential to the success of an organization. Migration™ height-adjustable desk allows users to transition from seated to standing height postures throughout the day, stimulating mental and physical activity.

The model chosen for analysis from the Migration range is reference # N6B1082700. Standard features for Migration include:

- electric Height adjustable desk
- 2 height ranges: 720-1200mm and 650-1250mm
- up/down and 4 pre-set digital controller
- collision sensor option
- horizontal and vertical cable management

Environmental Overview

Final Assembly Location

Final assembly of Migration is in Rosenheim, Germany and Neuweiler, Germany for Steelcase for the EMEA (Europe, Middle East and Africa) 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 Migration.

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

Migration contains 52.4% recycled materials by weight (7.7% post-consumer + 44.7% pre-consumer).

At the end of its useful life, Migration is 44% recyclable by weight.*

Certifications and Labels ➤

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

- PEFC™
- SCS Indoor Advantage™ Gold
- E1

Other targeted labels and certificates:

- NF Environnement
- NF Office Excellence Certifié
- Blauer Engel RAL-UZ 38

LEED Contribution ➤

Migration may contribute in the following areas:

- Recycled content
- Materials reuse
- Regional materials
- Low-emitting materials
- Interiors life-cycle impact reduction
- Daylight and views
- Building product disclosure and optimization - sourcing of raw materials
- Quality Views
- Construction & Demolition Waste Planning & Management

*In locations where recycling is available. Steelcase offers services to assist customers with end-of-use options including resale, refurbishment, charitable donation, and recycling.

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.

- **Migration contains 52.4% recycled materials** by weight (7.7% post-consumer + 44.7% pre-consumer).
- **Is made with wood sourced from responsibly managed forests.**
- Product comes standard with **PVC-free edge banding.**
- **Materials** used in the manufacturing and assembly of our products **are not currently specified to contain nanomaterials.**
- **No use of wood from genetically modified trees.**

Production

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

- Final assembly of Migration is in Rosenheim, Germany and Neuweiler, Germany for Steelcase for the EMEA (Europe, Middle East and Africa) Market.
- The plant in Rosenheim, Germany is OHSAS 18001 certified.
- Water-based adhesives used in assembly.

Transport

This phase includes downstream transports.

- Made in Europe
- **Optimized packaging** to keep transport volumes as low as possible and improve filling rates.
- Flat / Optimized packaging.
- Product is shipped knocked down 2 pieces in all possible scenarios - allowing for optimization of transport volume.

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.
- **Product meets ANSI/BIFMA Standards M7.1/X7.1** for low- VOC emissions to indoor air quality - SCS Indoor Advantage™ Gold.
- Maintenance information available upon request.

End of Use

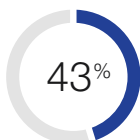
Any product can become a resource itself, or be responsibly disposed of in different ways.

- **Designed to enable responsible end of use strategies** - re-selling, refurbishing, charitable donation or recycling.
- **44% of the materials by weight can be recycled**, according to the current waste disposal schemes.*
- **100% recyclable packaging.**
- **Plastic parts clearly labelled for an easy sorting and effective recycling**, according to ISO 11469.
- **Steelcase offers a comprehensive asset management service for furniture that is no longer needed.** For more information, and to see if this service is available in your area, please contact Eco'Services at eco-services@steelcase.com.

*In locations where recycling is available. Steelcase offers services to assist customers with end-of-use options including resale, refurbishment, charitable donation, and recycling.

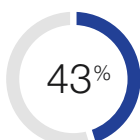
Materials

Migration materials composition is listed below.*



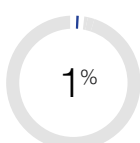
METALS

	kg	%
Steel	20.7	42.9
Zinc (Zamak)	<0.1	0.1



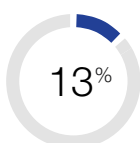
WOOD BASED MATERIALS

	kg	%
Particle board	20.5	42.5



PLASTICS

	kg	%
Glass-filled nylon 6 (PA6-GF)	0.3	0.6
Polycarbonate (PC)	0.2	0.4
Nylon 6 (PA6)	<0.1	0.2
Glass-filled nylon 66 (PA66-GF)	<0.1	<0.1



OTHER MATERIALS

	kg	%
Other: electronics	6.4	13.3



PACKAGING

	kg	%
Expanded polyethylene (EPE)	0.9	44.1
Cardboard	0.8	37.6
Low density polyethylene (LDPE)	0.4	18.3

TOTAL WEIGHT – incl. packaging 50.2

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

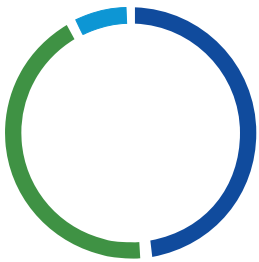
Materials Chemistry

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.

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.



MIGRATION

	kg	%
Pre-consumer recycled content	21.6	44.7
Post-consumer recycled content	3.7	7.7
Total recycled content	25.3	52.4

- Pre consumer - Recycled content
- Post consumer - Recycled content
- Virgin material

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.



44%

According to the available waste management infrastructures, we estimate that 44% is recyclable.

*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 that actual availability of recycling services in the markets where the products are sold.

Certifications and Labels

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

ON THE PRODUCTS

Blauer Engel RAL-UZ 38

This product is targeted for Blauer Engel RAL-UZ 38 certification, according to environmental and consumer health requirements.

NF Environnement

This product is targeted for NF Environnement certification, meaning it complies with 20 product lifecycle criteria.

NF Office Excellence Certifié

This product is targeted for NF OEC (Office Excellence Certifié) certification, meaning it complies with safety, ergonomic, environmental and social requirements.

SCS Indoor Advantage™ Gold

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

ON THE MATERIALS

PEFC™

At least 90% of the wood components in this product are PEFC™ (Programme for the Endorsement of Forest Certification) labelled, ensuring that wood originates from sustainably managed forests. Chain of custody: FCBA/06-00787.

E1

The wood based materials of this product comply with the E1 standard of emissions / concentration of formaldehyde.

ON THE PLANTS

OHSAS 18001

The plant in Rosenheim, Germany is OHSAS 18001 (Occupational Health and Safety Assessment Series) management system certified.

⁽¹⁾ Indoor Advantage™ and Indoor Advantage™ Gold are trademarks of Scientific Certification Systems.

LEED Contribution

LEED, or Leadership in Energy & Environmental Design, is a green building certification program that recognizes best-in-class building strategies and practices. Migration 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)

LEED V3 – 2009

CREDITS	RATING SYSTEM			POTENTIAL CONTRIBUTION*
	ID+C	BD+C	O+M	
Materials & Resources				
Recycled content	MRc4	MRc4 Healthcare: MRc5 Option 3	MRc2.2: Sustainable purchasing- Furniture	Migration contributes to the project recycled content criteria: post-consumer (7.7 %) + ½ pre-consumer (44.7 %) = 30.1 %.
Materials reuse	MRc3.2	Healthcare: MRc5 Option 3		If chosen for reuse, this product can contribute to the 30% valuation of the furniture & furnishings budget
Regional materials	MRc5	Healthcare: MRc5 Option 3		Final assembly of Migration is 50.0% in Rosenheim, Germany and 50.0% in Neuweiler, Germany. Projects <500 miles (800 km) from this location qualify.
Indoor Environmental Quality				
Low emitting materials	EQc4.5	Healthcare: MRc5 Option 2	N/A	Migration is SCS Indoor Advantage™ Gold (depending on options) certified for indoor air quality in EMEA.
Daylight and views	EQc8.1 & 8.2	EQc8.1 & 8.2**	EQc2.4	Steelcase offers a range of products and application thought starters to assist customers in achieving these credits.

*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 is a rating system that drives integrated design thinking as it relates to various aspects of green buildings. Migration 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

LEED V4

CREDITS	RATING SYSTEM			POTENTIAL CONTRIBUTION*
	ID+C	BD+C	O+M	
Materials & Resources				
Interiors life-cycle impact reduction	Option 2: Furniture Reuse	N/A		Steelcase products are designed to be long lasting and durable-- often making reuse a feasible option, depending on project needs and desirability.
Interiors life-cycle impact reduction	Option 3: Design for flexibility	N/A		Migration is designed to be adaptable for design needs today and in the future-- and can easily be changed to remain on pace with evolving business needs.
Building product disclosure and optimization - sourcing of raw materials	Option 2: Leadership extraction practices	Option 2: Leadership extraction practices Healthcare - Medical furniture & furnishings Option 3: Multi-attribute assessment	Purchasing - facility maintenance and renovation Option 2: furniture	Extended Producer Responsibility - Steelcase offers different end of use / end of life programs for different markets, to reuse, resell, refurbish, donate, or recycle the mix of existing assets – all in an effort to divert materials from the landfill (See notes below). Bio-based materials - Steelcase offers select textile and surface material options that may contribute to this credit. Wood products - Steelcase offers FSC™ certified wood as an option on select products, which contributes to this option. Materials Reuse - If chosen for reuse, this product can contribute. Recycled content - (7.7% post-consumer + 1/2 pre-consumer (44.7%) = 30.1%.
Construction & Demolition Waste Planning & Management	Required	Required	N/A	Steelcase uses several innovative packaging initiatives to minimize our waste impact (see transport section). These efforts may help to contribute, in part, towards achieving this prerequisite or credit.

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

LEED V4 Continued

CREDITS	RATING SYSTEM			POTENTIAL CONTRIBUTION*
	ID+C	BD+C	O+M	
Indoor Environmental Quality				
Low emitting materials	Option 1: Product Category Calculations or Option 2: Budget Calculation Method	Required Option 1: Product Category Calculations or Option 2: Budget Calculation Method Furniture and medical furnishings Option 2: testing and modeling of chemical content	Purchasing - facility maintenance and renovation Option 2: Furniture	Migration is SCS Indoor Advantage™ Gold (depending on options) certified for indoor air quality in EMEA.
Quality views	Credit	Credit	Daylight and quality views Option 2: Quality views	Steelcase offers a range of products and application thought starters, though several other factors play into achieving this credit, beyond the scope of furniture.

*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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