

ENVIRONMENTAL PRODUCT DECLARATION

FLEX-AIRE® CUSHION MODULAR

TANDUS CENTIVA
COMMERCIAL FLOOR COVERING



Tandus Centiva Flex-Aire® Cushion Modular, Style Angulate

Tandus Centiva

A Tarkett Company

Tandus Centiva, A [Tarkett](#) Company, creates innovative floorcovering solutions through our unique product line of Powerbond, Freeform, modular, broadloom, woven and luxury vinyl tile (LVT) products. With industry-leading product design, unrivaled service and a commitment to environmental and social stewardship, Tandus Centiva provides the ultimate flooring experience. Tandus Centiva prides itself on a heritage of innovation and design leadership. The company is committed to closed loop, circular design through the use of good materials, resource stewardship, creating products for people friendly spaces, and recycling at the end of use. The company utilizes Cradle to Cradle principals to strategically design and manufacture its products and has fully implemented Life Cycle Analysis (LCA) as a means to continually improve its operations, products and their use. Operating the industry's first closed-loop recycling program since 1994, Tandus Centiva has contributed to the circular economy for more than 20 years. For more information visit www.tandus-centiva.com



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According to ISO 14025

This declaration is an environmental product declaration in accordance with ISO 14025 that describes the environmental characteristics of the aforementioned product. It promotes the development and use of sustainable products. This is a certified declaration and all relevant environmental information is disclosed.



PROGRAM OPERATOR	UL Environment
DECLARATION HOLDER	Tandus Centiva
DECLARATION NUMBER	11CA57235.101.1
DECLARED PRODUCT	Tandus Centiva Flex-Aire® Cushion modular
REFERENCE PCR	NSF PCR for Flooring (Carpet, Resilient, Laminate, Ceramic, and Wood)
DATE OF ISSUE	November 26, 2012
PERIOD OF VALIDITY	5 Years
CONTENTS OF THE DECLARATION	<p>Product definition and information about building physics</p> <p>Information about basic material and the material's origin</p> <p>Description of the product's manufacture</p> <p>Indication of product processing</p> <p>Information about the in-use conditions</p> <p>Life cycle assessment results</p> <p>Testing results and verifications</p>
The PCR review was conducted by:	<p>NSF International</p> <p>Accepted by PCR Review Panel</p> <p>ncss@nsf.org</p>
<p>This declaration was independently verified in accordance with ISO 14025 by Underwriters Laboratories</p> <p><input type="checkbox"/> INTERNAL <input checked="" type="checkbox"/> EXTERNAL</p>	<p></p> <p>Loretta Tam</p>
<p>This life cycle assessment was independently verified in accordance with ISO 14044 and the reference PCR by:</p>	<p></p> <p>John Jewell</p>



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Product Definition

Product Classification & Description

The Flex-Aire® Cushion modular product line consists of a full range of styles that combine a nylon wear layer and closed cell cushion in a heterogeneous construction. The nylon and closed-cell cushion are fused together through heat and pressure to form an integral and inseparable construction that provides excellent performance, durability and comfort underfoot.

Flex-Aire Cushion is an ergonomic modular product that is fully recyclable in Tandus Centiva's third party certified, closed loop carpet recycling process. It is also certified at the Gold level to the NSF/ANSI 140 standard. The product is composed of nylon 6 or nylon 6,6 which is solution dyed, yarn dyed or a combination of solution and yarn dyed. These product groups were assessed for an average face weight of 20 ounces per square yard (osy), with the maximum (32 osy) and minimum (12 osy) yarn weights assessed for sensitivity. Unless otherwise noted, data is presented for an average product with 20 osy yarn weight.



Accreditations

- ISO 14001 Environmental Management System
- Gold NSF 140 Sustainability Assessment for Carpet
- Recycled Content Certification
- Recycling Program Certification
- Carpet and Rug Institute (CRI) Green Label Plus Certification
- Carbonfund.org CarbonFree® Certification (optional)
- MAS Certified Green® Program (Adhesives)

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Range of Applications

Flex-Aire® Cushion Modular is intended for heavy/severe traffic use in commercial buildings.

Product Standards and Approvals

Flammability Radiant Panel ASTM E-648	Class 1 (Mean Avg. CRF \geq 0.45 watts/cm ²)
Smoke Density ASTM E-662	Maximum Specific Optical Density \leq 450
Surface Flammability FF 1-70	Meets criteria
Electrostatic Propensity AATCC 134	<3.0kV
Colorfastness to Light AATCC 16E	\geq 4.0 @ 60 AFUs
ISO 2551/ASTM D7570 Dimensional Stability	< 0.149% change
Delamination Strength ASTM D-3936	No Delamination
Tuft Bind ASTM D-1335	\geq 8 pounds
CRI Green Label Plus	Meets criteria GLP ID# 6558
California Specification 01350	Meets criteria

Delivery Status

Type of Manufacture/Tufting Construction	Textured Loop, Stratatec® Patterned Loop, Accuweave® Patterned Loop, Level Loop, Stratatec® Patterned Symtex®, Accuweave® Patterned Symtex® or Symtex®			
Wear Layer Composition	Nylon 6 or Nylon 6,6 yarn			
Primary Backing	Polyester, Non-woven			
Secondary Backing	Flex-Aire® Cushion Modular contains postconsumer calcium carbonate			
Recycled Content	Dependant on style; 21 to 38% overall recycled content; min. 5% postconsumer			
Installation Options	Random, Quarter Turned, Unidirectional, Horizontal Ashlar, Vertical Ashlar (18 x 36), Herring Bone (18 x 36), Unidirectional (18 x 36); Dependent upon style.			
Cushion Thickness ASTM D-3574	0.156 inch		4.0 mm	
Cushion Density ASTM D-3574	18.5 lbs/ft ³		296 kg/m ³	
Compression Set ASTM D-3574	Max 10%			
Compression Deflection ASTM D-3574	min. 5 and 25 lbs/in ² max at 25%		min. 352 and 1758 g/cm ² max at 25%	
Flex-Aire Cushion modular				
Product Size Availability (inches)	24 x 24	18 x 18	36 x 36	18 x 36
Product Size Availability (centimeters)	60.9 x 60.9	45.7 x 45.7	91.4 x 91.4	45.7 x 91.4
	Range	Unit	Range	Unit
Wear Layer/Yarn Weight	12 to 32	osy	406 to 1,083	gsm
Total Product Weight (+/- 5%)	113.1 to 133.1	osy	3,835 to 4,513	gsm

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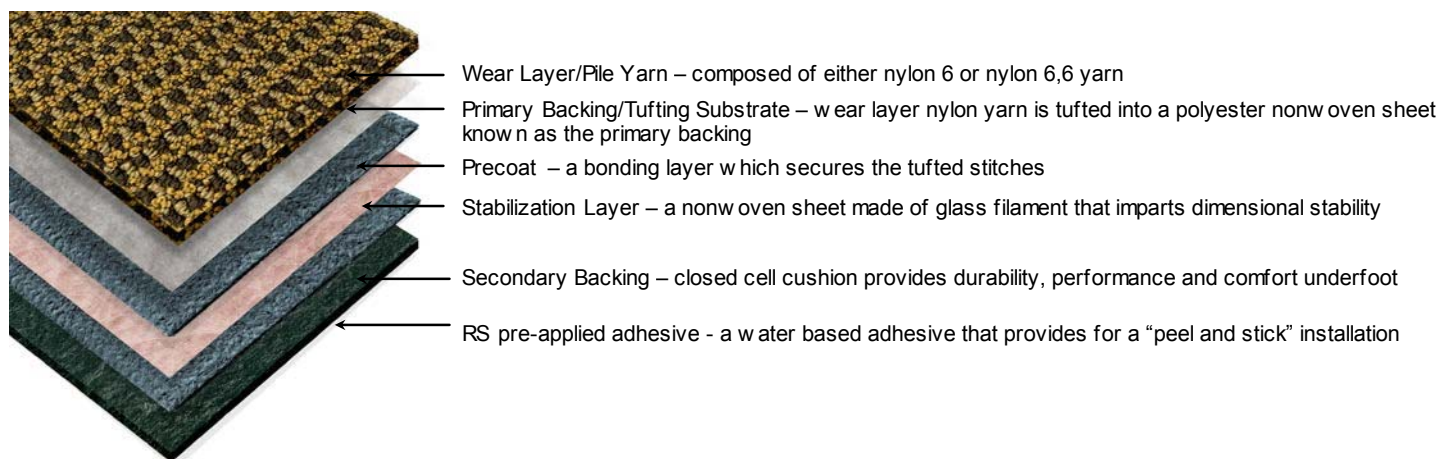
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Material Content



Material Content of the Product

Component	Material	Mass %	Availability		Origin
Wear Layer/Pile Yarn	Nylon 6 or Nylon 6,6	16.5	Non-Renewable	Limited	Global
Primary Backing	Polyester	2.6	Non-Renewable	Limited	Global
Precoat	Ethylene vinyl acetate copolymer	18.2	Non-Renewable	Limited	Global
	Calcium carbonate		Non-Renewable	Abundant	Global
	Aluminum trihydrate		Non-Renewable	Abundant	Global
Stabilization Layer	Glass filament non-woven	1.6	Non-Renewable	Limited	Global
Secondary Backing	Postconsumer calcium carbonate	60.0	Recycled	Limited	U.S.
	Preconsumer calcium alumina glass spheres		Recycled	Limited	U.S.
	Polyvinyl chloride polymer		Non-Renewable	Limited	Global
	Diisononyl adipate		Non-Renewable	Limited	Global
RS Adhesive	Pre-applied acrylic adhesive	1.1	Non-Renewable	Limited	Global

Production of Main Materials

Aluminum trihydrate - a mineral filler derived from bauxite that is mined from natural surface deposits

Calcium carbonate - also known as limestone, a mineral filler that is mined from natural surface deposits

Diisononyl adipate (DINA) - a non ortho-phthalate plasticizer, an ester used to soften rigid polyvinyl chloride (PVC) and help to improve low temperature flexibility

Diocetyl terephthalate (DOTP) - a non ortho-phthalate plasticizer, a diester of terephthalic acid and the branched-chain 2-ethylhexanol

Ethylene vinyl acetate - a copolymerization product of ethylene and vinyl acetate

Glass stabilization layer - a nonwoven sheet consisting of glass fibers used for dimensional stability

Nylon 6 - a polymer of caprolactam formed by ring opening polymerization

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Nylon 6,6 - manufactured by combining adipic acid and hexamethylenediamine, both having six carbon atoms, and polymerizing the resultant monomer by condensation polymerization

Polyester - most commonly referred to as polyethylene terephthalate, produced by the polymerization of ethylene glycol and terephthalic acid or its derivatives

Polyvinyl Chloride (PVC) - a thermoplastic polymer made by combining ethylene (derived from petroleum, natural gas or coal) and chlorine from common salt

RS “peel and stick” adhesive - a water based, pressure sensitive, acrylic adhesive derived from acrylate based polymers

Production of the Floor Covering

In the manufacturing process, nylon yarn is tufted into a polyester, nonwoven primary backing and coated with a precoat. The closed cell cushion structural backing, containing an embedded non-woven glass sheet, is then adhered to the tufted primary backing composite through heat and pressure.

Health, Safety, and Environmental Aspects During Production

- ISO 14001 Environmental Management System
- Tandus Centiva is in compliance with all applicable local, state and federal environmental regulations
- Comprehensive health and safety program focused on continual improvement in worker safety
- Successful supply chain and raw material management program
- World Class Manufacturing (WCM) - a comprehensive Environment, Health and Safety program focused on continual improvement in industrial performance, safety, quality, customer service and the environment

Production Waste

All trimmings and carpet manufacturing waste, along with post-consumer carpet, is recycled into new flooring in Tandus Centiva's third party certified, closed-loop carpet recycling process. Non-carpet waste is also recycled in various programs.

Delivery and Installation of the Floor Covering



Delivery

For the life cycle assessment, product delivery is modeled as shipped 700 km by truck to customers in the U.S. For customers in Europe, modeling consists of transport by truck to a port on the East Coast, transport by ocean freighter to a European port and transport by truck 700 km to the customer.

Installation

Flex-Aire Cushion modular can be installed using RS “peel and stick” adhesive or a Tandus Centiva water-based, acrylic adhesive. Detailed installation instructions can be found at www.tandus-centiva.com.

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Installation Waste

Packaging and flooring installation waste can be recycled in a local recycling program or returned to Tandus Centiva for recycling. Although installation waste is often recycled, to remain conservative in the LCA model, the recycled portion was not taken into account. For U.S. customers, the product waste and packaging was modeled as disposed of in a landfill; for European customers, installation waste was modeled as disposed of in an incineration or waste-to-energy (WTE) plant.

Packaging

Modular flooring is packaged in recycled content, cardboard boxes, stacked on wooden pallets and secured with stretch wrap. Tandus Centiva encourages installers to recycle packaging materials in local recycling programs.

Health, Safety and Environmental Aspects during Installation

Tandus Centiva floor coverings and adhesives meet VOC emission requirements in accordance with the California Department of Public Health Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions for Indoor Sources Using Environmental Chambers, Version 1.1, Feb 2010 (also known as the California 01350 Specification, or referenced as Green Label Plus). Additionally, adhesives have been tested for VOC content, are third party certified in the MAS Certified Green® program and meet the VOC emission requirements of the South Coast Air Quality Management District - Rule 1168. Installation Instructions and Material Safety Data Sheets (MSDS) are available at www.tandus-centiva.com.

Use Stage

The use stage takes into account environmental impacts during product use. Although floorcoverings may be replaced before the end of their useful life, a reference service life of 15 years is utilized; however, technically the product may last much longer.

Cleaning and Maintenance

Product selection, construction, color, use of entry mats, traffic wear patterns, vacuuming, extraction cleaning and spot removal all play a part in product maintenance. Tandus Centiva's recommended cleaning and maintenance guidelines are available at www.tandus-centiva.com. Cleaning and maintenance was modelled as shown in the table below:

Level of Use	Cleaning Process	Cleaning Frequency	Consumption of Energy and Resources
Commercial Heavy Traffic	Vacuuming	4 times per week	Electrical Energy
	Extraction Cleaning	3 times per 2 years	Electrical Energy
			Water
			Cleaning Agent

Prevention of Structural Damage

Floorcoverings should be installed on dry, structurally sound and adequately prepared floors. Subfloor requirements and installation instructions are available at www.tandus-centiva.com.

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End-of-Life

Recycling or Reuse

Tandus Centiva encourages customers to return and recycle end-of-life carpet through ReStart®, the company's third party certified, closed-loop carpet recycling program located in Dalton, Georgia.

Tandus Centiva's Third Party Certified, Closed Loop Carpet Recycling Process



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Disposal

Although recycling is encouraged and preferred, disposal in municipal landfill or commercial incineration facilities is permissible in compliance with applicable regulations. The end of life model takes into account end of life disposal options (recycling, landfill and waste-to-energy) and transportation of the floor covering to the end of life processes. In terms of the non-recycled portion of the products, for U.S. customers, the product at de-installation was modeled as disposed of in a landfill. In Europe, it was modeled as disposed of in a waste-to-energy (WTE) plant. A diesel-powered truck is assumed to transport the non-recycled products 30 miles to their final destination.

Life Cycle Assessment

A cradle-to-grave Life Cycle Assessment (LCA) was completed on this product in accordance with ISO 14040/ISO 14044, and the study was reviewed per the external peer review requirements set forth in ISO 14044, Section 6.1.

Description of the Declared or Functional Unit

The functional unit, or reference flow, has been defined as one square meter of floor covering in a commercial building for one year of use.

Cut-off Criteria

For mass and energy, a cut-off goal of 99% of energy inputs and total mass inputs was defined. However, an attempt was made to collect all materials and energy involved in the materials systems – despite the defined energy and mass criteria – in order to capture any aspect that may be environmentally relevant.

Allocation

Allocation of the production data for this product was based on a total facility mass basis.

Background Data

The SimaPro LCA software was used to model the life cycle of the product. Tandus Centiva supplied primary data on the product's bill of materials and manufacturing operations. The EcolInvent database was used for all background data.

Data Quality

The data applied to this study represent current products and practices. The most recently available facility data were used and flooring product formulations are current. The use of nylon 6 and nylon 6,6, based on annual production, was taken into account. Data for manufacturing includes all processes to manufacture the carpet, (including facility heating and lighting) and represents the average energy use based on total production.

Data for manufacturing energy are North American-based. Data for transportation, materials and processes are based on a combination of North American and European sources since EcolInvent has some North American-based data. Energy and transportation data are based on mid-2000's, and production data for materials are based on low- to mid-2000's data sets.

The technological coverage for Tandus Centiva operations is current. Technological coverage for the materials and processes upstream and downstream of Tandus Centiva are in most cases industry average, and in some instances, typical.

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System Boundaries

The life cycle stages included in the system boundaries are:

- Production: includes production of the raw materials in the flooring product, transportation of materials to Tandus Centiva and the manufacturing operations at Tandus Centiva facilities. Production of packaging materials is also included in this stage.
- Construction (also called Delivery and Installation): includes delivery of the finished product to the end user and installation of the product.
- Use: takes into account the use of the flooring product in a building, cleaning and maintenance.
- End of Life: includes the fate of the flooring product at the end of its life.

Results of the Assessment

The LCIA categories for the flooring products for the European market are based on the CML 2002 methodology while the flooring products for the North American market are based on TRACI 2.0. The LCA results are documented separately for the following stages: production, construction (delivery and installation), use and end of life.

Life Cycle Inventory Analysis

LCIA data categories and flows are presented in the tables below. The LCIA categories for the North American market are based on TRACI 2.0 while the categories for the European market are based on the CML 2002 methodology. The tables below show the primary energy from renewable and non-renewable resources for an average 20 osy Flex-Aire Cushion modular product for the U.S. and European markets. In all contribution analyses, the percentages for each data category add to 100%. However, in the European results, negative percentages are found in the tables when the electricity offset from waste-to-energy at end of life causes a negative number at end of life.

US Market						
Primary Energy						
Non Renew able Resources	306.1 MJ	2% Lignite	12% Mineral Coal	37% Natural Gas	36% Oil	13% Uranium
Renew able Resources	5.3 MJ	56% Hydro	13% Wind	42% Solar/Biomass		
Secondary Fuels	0 MJ					
Material Resources						
Non-Renew able Resources	20.2 lb					
Water Consumption	284.5 gal					
Output Flows						
Non-Hazardous Waste	8.7 lb					
Hazardous Waste	2.2E-09 lb					

European Market						
Primary Energy						
Non Renew able Resources	254.2 MJ	-1% Lignite	9% Mineral Coal	40% Natural Gas	46% Oil	6% Uranium
Renew able Resources	0.09 MJ	-432% Hydro	-27% Wind	846% Solar/Biomass		
Secondary Fuels	0 MJ					
Material Resources						
Non-Renew able Resources	9.1 kg					
Water Consumption	0.96 m ³					
Output Flows						
Non-Hazardous Waste	0 kg					
Hazardous Waste	1.0E-09 kg					

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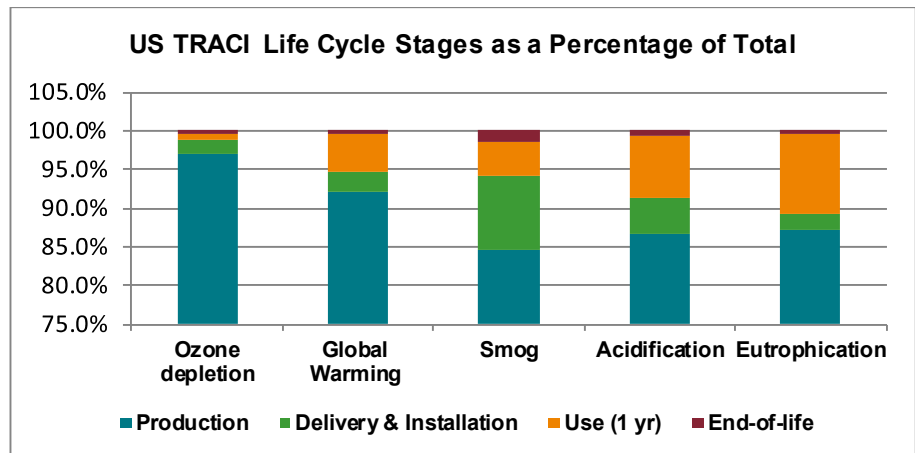
Life Cycle Impact Assessment

Results are presented on the basis of 1 m² of floor covering in a commercial building for one year of use. Results are also presented for 60 years of use, the reference service life of a building. The LCIA results for an average (20 osy) product are presented as total cradle-to-grave, with the contribution of each life cycle stage presented relative to the total. LCIA results for low (12 osy) and high (32 osy) yarn weight products are also presented. U.S. and European market results are presented in separate tables.

The LCIA categories for the flooring products for the European market are based on the CML 2002 methodology while the flooring products for the North American market are based on TRACI. The following tables and graphs are the LCIA results and contribution analysis based on TRACI V2.0.

TRACI V2.0 for 1 year of Use (20 osy)		
Impact Category	Impact	Units
Global warming	15.0	kg CO ₂ eq
Acidification	3.3	mol H ⁺ eq
Eutrophication	0.027	kg N eq
Ozone depletion	4.6E-06	kg CFC-11 eq
Smog	0.84	kg O ₃ eq

TRACI V2.0 for 60 years of Use (20 osy)		
Impact Category	Impact	Units
Global warming	101.2	kg CO ₂ eq
Acidification	27.7	mol H ⁺ eq
Eutrophication	0.26	kg N eq
Ozone depletion	2.1E-05	kg CFC-11 eq
Smog	5.4	kg O ₃ eq



Relative Contribution to TRACI V2.0 Life Cycle Impacts for 1 year of Use of Flex-Aire Cushion Modular 20osy				
Impact Category	Production	Delivery & Installation	Use (1yr)	End-of-Life
Global warming	92.1%	2.6%	4.9%	0.4%
Acidification	86.6%	4.7%	8.1%	0.6%
Eutrophication	87.3%	2.0%	10.5%	0.3%
Ozone depletion	97.0%	1.8%	0.8%	0.3%
Smog	84.7%	9.6%	4.4%	1.3%

Relative Contribution to TRACI V2.0 Life Cycle Impacts for 60 years of Use of Flex-Aire Cushion 20osy				
Impact Category	Production	Delivery & Installation	Use (60yrs)	End-of-Life
Global warming	54.6%	1.6%	43.7%	0.2%
Acidification	40.7%	2.2%	56.8%	0.3%
Eutrophication	35.4%	0.8%	63.7%	0.1%
Ozone depletion	87.1%	1.6%	10.9%	0.3%
Smog	52.5%	6.0%	40.8%	0.8%

Relative Contribution to TRACI V2.0 Life Cycle Impacts for 1 year of Use of Different Yarn Weights of Flex-Aire Cushion Modular				
Impact Category	Units	Low (12osy)	Average (20osy)	High (32osy)
Global warming	kg CO ₂ eq	12.6	15.0	18.6
Acidification	mol H ⁺ eq	2.8	3.3	3.9
Eutrophication	kg N eq	0.024	0.027	0.031
Ozone depletion	kg CFC-11 eq	4.6E-06	4.6E-06	4.6E-06
Smog	kg O ₃ eq	0.73	0.84	1.0



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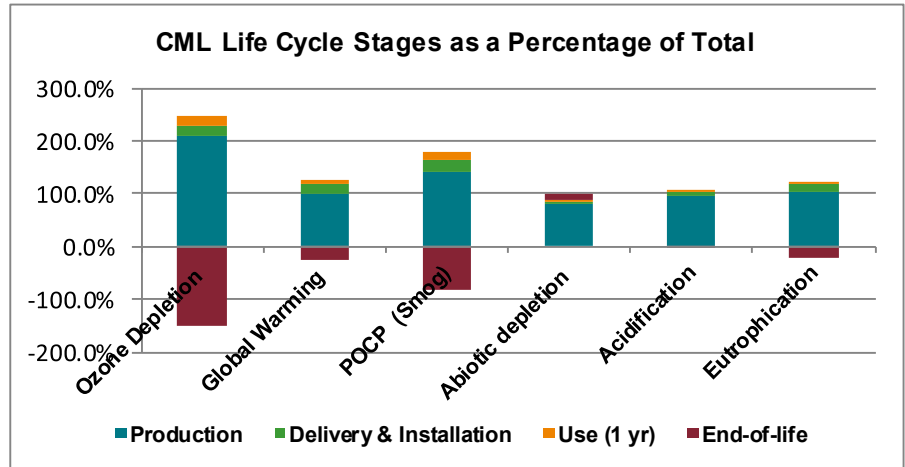
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In the European results below based on CML 2002 methodology, negative percentages are found in the tables when the electricity offset from waste-to-energy at end of life causes a negative number at end of life (thereby causing the contribution analysis percentages to be less intuitive).

CML 2002 for 1 years of Use (20osy)		
Impact Category	Impact	Units
Global warming	17.3	kg CO ₂ eq
Acidification	0.054	kg SO ₂ eq
Eutrophication	0.009	kg PO ₄ ³⁻ eq
Ozone depletion	3.9 E-06	kg CFC-11 eq
POCP (Smog)	0.002	kg C ₂ H ₄ eq
Abiotic Depletion	8.9 E-05	kg Sb eq

CML 2002 (for 60 year of Use (20osy))		
Impact Category	Impact	Units
Global warming	96.1	kg CO ₂ eq
Acidification	0.34	kg SO ₂ eq
Eutrophication	0.11	kg PO ₄ ³⁻ eq
Ozone depletion	1.7 E-05	kg CFC-11 eq
POCP (Smog)	0.015	kg C ₂ H ₄ eq
Abiotic Depletion	0.001	kg Sb eq



Relative Contribution to CML 2002 Life Cycle Impacts for 1 year of Use of Flex-Aire Cushion Modular 20osy				
Impact Category	Production	Delivery & Installation	Use (1yr)	End-of-Life
Global warming	79.1%	7.3%	2.8%	10.8%
Acidification	98.8%	21.6%	4.1%	-24.5%
Eutrophication	142.2%	23.3%	15.3%	-80.8%
Ozone depletion	97.7%	4.8%	0.6%	-3.1%
POCP (Smog)	103.3%	14.7%	3.5%	-21.4%
Abiotic Depletion	210.8%	15.9%	22.0%	-148.7%

Relative Contribution to CML 2002 Life Cycle Impacts for 60 year of Use of Flex-Aire Cushion Modular 20osy				
Impact Category	Production	Delivery & Installation	Use (60yrs)	End-of-Life
Global warming	57.1%	5.2%	29.9%	7.8%
Acidification	63.0%	13.8%	38.8%	-15.6%
Eutrophication	45.4%	7.4%	73.0%	-25.8%
Ozone depletion	90.2%	4.5%	8.3%	-2.9%
POCP (Smog)	69.4%	9.9%	35.2%	-14.4%
Abiotic Depletion	51.7%	3.9%	80.9%	-36.4%

CML 2002 Life Cycle Impacts for 1 year of Use of Different Yarn Weights of Flex-Aire Cushion Modular				
Impact Category	Units	Low (12osy)	Average (20osy)	High (32osy)
Global warming	kg CO ₂ eq	15.0	17.3	20.9
Acidification	kg SO ₂ eq	0.046	0.054	0.066
Eutrophication	kg PO ₄ ³⁻ eq	0.007	0.009	0.011
Ozone depletion	kg CFC-11 eq	3.9 E-06	3.9 E-06	3.9 E-06
Smog	kg C ₂ H ₄ eq	0.002	0.002	0.003
Abiotic Depletion	kg Sb eq	7.3 E-05	8.9 E-05	1.0 E-04



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Interpretation

When evaluating one square meter of flooring for one year of use, the majority of environmental impacts occur during the production stage (e.g. the extraction and processing of raw materials and product manufacture). The US TRACI life cycle stage data shows that 80% or more of the environmental impacts result from the production stage. The CML life cycle stage data also show that the majority of environmental impacts result from the production stage. However, electricity offsets that occur due to waste-to-energy conversion in the end-of-life stage result in negative numbers at the end of life. As shown in the table below, environmental impacts increase in the use stage and decrease in the production stage when the product is evaluated over 60 years of use.

Relative Contribution to Life Cycle Impacts from Production and Use					
Impact Category	Global Warming	Acidification	Eutrophication	Ozone Depletion	Smog
Production Stage Impacts					
1 Year	92.1%	86.6%	87.3%	97.0%	84.7%
60 Years	54.6%	40.7%	35.4%	87.1%	52.5%
Use Stage Impacts					
1 Year	4.9%	8.1%	10.5%	0.8%	4.4%
60 Years	43.7%	56.8%	63.7%	10.9%	40.8%

Comparisons of different floorcoverings should not be made unless similar background data, calculation methods, building context, service life and assumptions for use and end of life are utilized.

Additional Information, Evidence, and Test Results

Carbon foot printing enables Tandus Centiva to offer its customers the option to purchase products that are “carbon free” or “climate neutral” through the Carbonfund.org, a leading, nonprofit organization dedicated to combating climate change. Claiming a product is carbon free means that the greenhouse gas emissions related to the entire life cycle of the product have been offset. For a nominal cost, Tandus Centiva customers can purchase carbon free Powerbond or modular flooring products through a registered and credible program.

Flex-Aire Cushion modular has a Class I fire rating and meets flammability requirements of the 2012 NFPA 101 Life Safety Code and the 2012 International Fire Code.



Emissions

Product and adhesives have low VOC emissions and are tested at Air Quality Sciences per the criteria defined in CRI's Green Label Plus program. Additionally, adhesive VOC content is tested by Materials Analytical Services, LLC and third party certified in the MAS Certified Green® Program. Adhesives meet the requirements of the South Coast Air Quality Management District - Rule 1168.

References

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ENVIRONMENTAL PRODUCT DECLARATION

Tandus Centiva
A Tarkett Company

Flex-Aire® Cushion Modular
Modular Commercial Floor Covering

According to ISO 14025

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Environment

