

Nexus® Modular Carpet Tile



Environmental Product Declaration

Programme: The International EPD® System Programme operator: EPD International AB

EPD registration number: S-P-12754
Publication Date: 2024-03-08
Valid Until: 2029-03-04

www.environdec.com

In accordance with ISO 14025:2006 and ISO 21930

This EPD does not comply with EN15804+A2.





Programme and Programme Operator	The International EPD® System EPD International AB Box 210 60 SE-100 31 Stockholm Sweden www.environdec.com info@environdec.com as provided by EPD North America			
General Program instructions and Version Number ¹	General Programme Instructions for the International EPD® System. Version 4.0. 2021-03-29			
Manufacturer Name and Address	J+J Flooring 818 J and J Dr Dalton, GA 30721			
Declaration Number	S-P-12754			
Declared Product and Functional Unit	Nexus® Modular Carpet Tile 1 m² of installed flooring and with a building service life of 75 years			
Reference PCR and Version Number ²	UL Part A: Life Cycle Assessment Calculation Rules and Report Requirements, Version 4.0 UL Part B: Flooring EPD Requirements. UL 10010-7, September 28, 2018			
Product's intended Application and Use	Commercial Flooring Applications			
Product RSL	30 years			
Markets of Applicability	North America			
Date of Issue	2024-03-08			
Period of Validity	5 years from date of issue			
EPD Type	Product Specific			
Range of Dataset Variability	N/A			
EPD Scope	Cradle to Grave			
Year of reported manufacturer primary data	2022			
LCA Software and Version Number	MLC Database 2023.02 (formerly GaBi Database)			
LCI Database and Version Number	LCA FE 10.7 (formerly GaBi)			
LCIA Methodology and Version Number	TRACI 2.1 CML 2001-Jan 2016 IPCC AR5			
Part A PCR review ws conducted by:	Lindita Bushi, PhD, Chair Hugues Imbeault-Tétreault, Eng.,M.A. Sc. Jack Geibig			
The sub-category PCR review was conducted by:	Jack Geibig (Chair) Thomas Gloria, PhD Thaddeus Owen			
Independent third-party verification of the declaration and data, according to ISO 14025:2008.	□EPD Process Certification □ Pre- Verified Tool			
This declaration was independently verified in accordance with ISO 14025: 2006. The UL Environment "Part A: Calculation Rules for the Life Cycle Assessment and Requirements on the Project Report," v4.0, based on CEN Norm EN 15804 (2012) and ISO 21930:2017, serves as the core PCR, with additional considerations from the USGBC/UL Environment Part A Enhancement (2017) ☐ Internal ☑ External	James Mellentine, Thrive ESG Approved by: The International EPD® System			
This life cycle assessment was conducted in accordance with ISO 14044 and the reference PCR by:	WAP Sustainability Consulting			
This life cycle assessment was independently verified in accordance with ISO 14044 and the reference PCR by:	James Mellentine, Thrive ESG			
The procedure for follow-up of data during EPD validity, as defined by the GPI, involves third party verifier:	☐ Yes ☑ No			
1 Not all requirements in the GPI are fulfilled, particularly the requirement for construc	ction products to follow EN 15804 for certain aspects of the LCA method			

1 Not all requirements in the GPI are fulfilled, particularly the requirement for construction products to follow EN 15804 for certain aspects of the LCA method. 2 This EPD is based on a PCR that satisfies procurement rules at the federal, state, and municipal levels which call for EPDs based on the UL Part B PCR. The UL Part B PCR was used to meet regulatory (example: Buy Clean California Act, etc.) and market expectations (example: Building Transparency EC3 comparisons, LEED and existing vendor procurement requirements, product scoring programs, etc.). The EPD should not be used outside of this context.

Environmental declarations from different programs (ISO 14025) may not be comparable.

Comparison of the environmental performance of Flooring Products using EPD information shall be based on the product's use and impacts at the building level, and therefore EPDs may not be used for comparability purposes when not considering the building energy use phase as instructed under this PCR. Full conformance with the PCR for Products allows EPD comparability only when all stages of a life cycle have been considered. However, variations and deviations are possible". Example of variations: Different LCA software and background LCI datasets may lead to differences results for upstream or downstream of the life cycle stages declared.

The EPD owner has the sole ownership, liability, and responsibility of the EPD.

Product Definition and Information

Company Description

Established in 1957, J+J Flooring is a leading manufacturer of specified commercial flooring. With broadloom and modular carpet, Kinetex® Textile Composite Flooring, and LVT (Luxury Vinyl Tile), we provide a range of product and service solutions to meet the needs of our customers in the corporate workplace, education, healthcare, retail, and hospitality sectors. That guiding ethic continues today as J+J Flooring strives to positively impact our associates, customers, and community on a daily basis. By putting our people first, we produce products with pride, provide value to our customers, and make a difference in our community. Our commitment to our associates and their families, as well as our larger community, requires J+J Flooring to provide gainful employment and economic development. In 2016, J+J Flooring joined Engineered Floors, LLC. Based in Dalton, Ga., Engineered Floors, LLC is a privately held carpet producer founded by Robert E. Shaw in 2009 and based in Dalton, Ga., with facilities in Calhoun and Dalton, Ga. Engineered Floors employs approximately 5000 people. The organization has procedures in place for keeping itself updated with relevant process- and product-related legislation and has access to all specific information of relevance concerning processes and products for the actual product category issued by central legislative authorities.

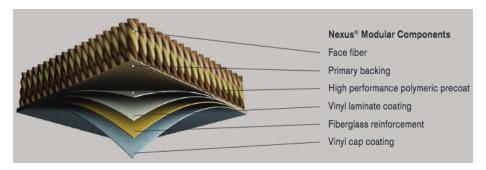


Figure 1: Product Construction

Product Description

J+J Flooring's collection of Nexus® modular carpets work beautifully, whether specified alone or with one of our many broadloom options. Nexus Modular carpet tile styles are made with nylon or PET face fiber. This EPD includes results for Encore® SD Ultima® Nylon—25% post-industrial recycled nylon, Encore®100 Nylon—100% post-industrial recycled nylon, and TeraPlex® SD polyester fiber. Nexus® modular carpet tiles feature a high-performance PVC backing. A representative product within the Nexus® family was chosen. The composition within the Nexus® family of products does not differ other than pigments and patterns used to give each style of carpet tile its own distinct appearance. The variation in terms of pigments used is less than 5% of the total product weight and is excluded from the study. This EPD covers all styles and colors under the Nexus® Modular product family utilizing the yarn systems covered. Specific products can be found on J+J's website. Each style, combined with our Nexus® modular backing, continues our over 55-year tradition of combining performance and appealing design. Pair your imagination with our comprehensive product choices on your next project and create your own dramatic statement.

Nexus® Modular Carpet Tile is within CSI Master Format section 09 68 13, UN CPC 27230.



Figure 2: Product Application

Application

J+J Flooring's Nexus® Modular carpet tile is intended for use as a soft floor covering in medium-to-high traffic commercial applications such as retail, healthcare, education, corporate, public spaces, and institutional environments. Additional product information may be found on J+J Flooring's website.

Properties of Declared Product as Delivered

The product is usually delivered packaged in a cardboard box with plastic film and paper to protect the tiles during shipping. These are usually shipped in tile/plank sizes of 12"x 48", 18"x 36", 24"x 24".

Table 1: Technical Data

Parameter	Value			
	12"x 48"			
Tile Size	18"x 36"			
	24"X 24"			
Yarn Type	PET or Nylon			
Primary backing type	PET			
Secondary backing type	Fiberglass-reinforced PVC			
TARR rating	≤3.5			
Total thickness	8.37 – 13.3mm			
Product weight (190z face weight)	2.94 kg/m²			
Range of product weights covered by EPD	2.71-3.72 kg/m2			
Surface pile thickness	2.41 – 5.22 mm			
Surface pile weight (190z face weight)	0.64 kg/m²			
Range of surface pile weights covered by EPD	0.41-1.42 kg/m²			



Table 2: Performance Testing

	Standard	Value
Flooring Radiant Panel	ASTM E648	Class 1; ≥ 0.45 watts/cm2
Smoke Density	ASTM E662	≤ 450
Static Test	AATCC-134	Less than 3kv
ADA Compliance	-	Compliance for Accessible Routes
Additional Characteristics	NSF/ ANSI 140	Gold Certified
Additional Characteristics	NSF/ ANSI 140	Available Reclamation Program

Flow Diagram

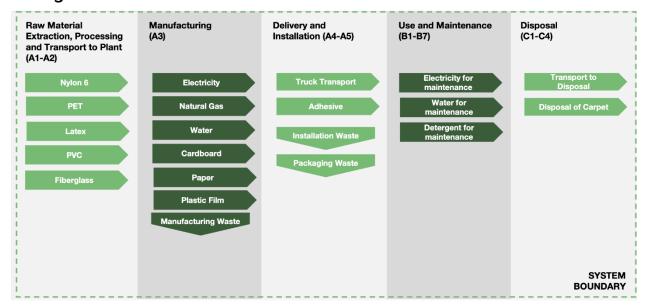


Figure 3: System Boundary

Manufacturing and Packaging

Manufacturing takes place in North America. The manufacturing process starts with fiber production. This includes taking virgin and recycled content nylon (or PET) granulate feedstock and extruding fibers. These individual fibers may then go through the processes of air entangling, twisting, or heatsetting to create yarn which is then tufted to a primary backing. The primary backing material differs based on the type of backing being produced. The next step is coating which affixes secondary thermoset (latex) backing to tufted fiber and primary backing. Then, the extruded secondary thermoplastic backing (PVC)with fiberglass sheet is applied to the tufted goods. The last step is cutting into tile and packaging for shipment. No substances required to be reported as hazardous waste are associated with the production of this product.



Table 3: Product Composition

Material	Percent
PVC	58%
Nylon or PET	22%
Calcium Carbonate	14%
PET	3%
Fiberglass	2%

Table 4: Packaging

Material	Value [kg per m²]
Cardboard	6.70E-02
Plastic Film	1.00E-03

Transportation

It is assumed that all raw materials are distributed by truck. Transport of raw material from supplier to the manufacturing facility was calculated for each raw material using primary data. Average distance to installation site was calculated to be 200 miles from the J+J facility in 2022.

Product Installation

The product is usually delivered to the customer via truck, depending on the location of the enduser. Detailed installation instructions are provided online. Installation equipment is required though not included in the study as these are multi-use tools and the impacts per declared unit is considered negligible. Packaging waste is generated and disposed of in this stage. For Nexus®Modular carpet tile, J+J requires the use Commercialon® Premium Modular Pressure Sensitive Adhesive for installation. It is a superior-performance, acrylic-latex, pressure-sensitive adhesive that is specifically formulated for installing PVC-backed carpet tiles (modules). Because of its low odor and low VOCs, Commercialon® Premium Modular Tile Adhesive is ideally suited for use in health-conscious environments where odors associated with new installation are undesirable. It has great rebound to allow simple, fast removal and replacement of modular floor coverings. It is recommended over virtually all smooth surfaces, including nonporous substrates.

Use

The table below shows the parameters for the use phase scenario while

Table 11 shows the total material and energy inputs required in the study. Detailed maintenance instructions for resilient flooring are provided on J+J Flooring's website: https://www.jjflooringgroup.com/technical/installation-maintenance/.

Table 5: Maintenance Procedure

Maintenance	Count	Unit
Vacuum	250	#/ year
Spot Check/ Clean	2	#/ year

Reference Service Life and Estimated Building Service Life

The reference service life of Nexus® Modular Carpet Tile is assumed to be 15 years given that the product is installed as per manufacturer guidelines. Therefore, after initial installation in a building with an estimated service life (ESL) of 75 years there will be 4 replacements needed.



Reuse, Recycling and Energy Recovery

J+J Flooring, as a brand of the larger Engineered Floors family, offers customers the opportunity to use our Carpet Reclamation Program. With this program we facilitate the reclamation of used carpet and guarantee that it will not reach a landfill. To initiate the carpet reclamation process, please see the website, call 1.800.241.4586, or email reclamation@engineeredfloors.com. In addition to reclaiming used carpet, old flooring can be safely disposed of in municipal landfills or sent to waste-to-energy facilities (subject to local regulations).

Disposal

The product is considered to be 100% landfilled as specified in Sections 2.8.5 and 2.8.6 of Part A: Life Cycle Assessment Calculation Rules and Report Requirements from UL Environment.



Life Cycle Assessment Background Information

Declaration of Methodological Framework

The LCA follows an attributional approach.

Functional Unit

The functional unit of the flooring product is one (1) m^2 of floor covering. The mass per functional unit is 2.94 kg.

System Boundary

This EPD is a Cradle-to-Grave study.

Table 6: System Boundary and Modules

Module Name	Description	Analysis Period	Summary of Included Elements
A1	Product Stage: Raw Material Supply	2022	Raw Material sourcing and processing as defined by secondary data.
A2	Product Stage: Transport	2022	Shipping from supplier to manufacturing site. Fuel use requirements estimated based on product weights and estimated distance.
A3	Product Stage: Manufacturing	2022	Energy inputs required for manufacturing products from raw materials. Packaging materials and manufacturing waste are included as well.
A4	Construction Process Stage: Transport	2022	Shipping from manufacturing site to project site. Fuel use requirements estimated based on product weights and mapped distance.
A5	Construction Process Stage: Installation	2022	Installation materials, installation waste and packaging material waste.
B1	Use Stage: Use	2022	Use of the product.
B2	Use Stage: Maintenance	2022	Cleaning energy, water, and materials, including refinishing the product.
В3	Use Stage: Repair	2022	Product typically not repaired during use.
B4	Use Stage: Replacement	2022	Total materials and energy required to manufacture a replacement.
B5	Use Stage: Refurbishment	2022	Product typically not refurbished during use.
B6	Operational Energy Use	2022	Operational Energy Use of Building Integrated System During Product Use
В7	Operational Water Use	2022	Operational Water Use of Building Integrated System During Product Use
C1	EOL: Deconstruction	2022	No inputs required for deconstruction.
C2	EOL: Transport	2022	Shipping from project site to waste disposal.
C3	EOL: Waste Processing	2022	Waste processing if incineration as chosen disposal pathway per Part A of the PCR.
C4	EOL: Disposal	2022	Disposal modeled by region as per Part A of the PCR.
D	Benefits beyond system	MND	Credits from energy or material capture.



Estimates and Assumptions

All estimates and assumptions are within the requirements of ISO 14040/44. The majority of the estimations are within the primary data. The primary data was collected as annual totals for utility usage and production and waste volume. For the LCA, utility usage and waste volume were divided by total production to determine utility use and waste production per square meter. Additionally, it is assumed that installation tools are used enough times that the per square meter impacts are negligible.

Cut-Off Criteria

All inputs in which data was available were included. Material inputs greater than 1% (based on total mass of the final product) were included within the scope of analysis. Material inputs less than 1% were included if sufficient data was available to warrant inclusion and/or the material input was thought to have significant environmental impact. No known flows are deliberately excluded from this EPD. Cumulative excluded material inputs and environmental impacts are less than 5% based on total weight of the functional unit.

Data Sources

For all manufacturing processes, primary data were collected by facility personnel and utility bills. Whenever available, supplier data was used for raw materials used in the production process. When primary data did not exist, secondary data for raw material production was utilized from Sphera MLC Database 2023.02.

Data Quality

The geographical scope of the manufacturing portion of the life cycle is United States. All primary data were collected from the manufacturer. The geographic coverage of primary data is considered excellent. The primary data provided by the manufacturer represent all information for calendar year 2022. Time coverage of this data is considered good. Primary data provided by the manufacturer is specific to the technology used in manufacturing their product. It is site-specific and considered of good quality. Data necessary to model cradle-to-gate unit processes was sourced from Sphera Managed LCA Content LCI datasets. Improved life cycle data from suppliers would improve technological coverage.

Period Under Review

The period under review is calendar year 2022.

Allocation

General principles of allocation were based on ISO 14040/44. To derive a per-unit value for manufacturing electricity, physical allocation of manufacturing inputs and outputs was adopted. For facilities producing fiber and yarn, allocation was performed based on mass. For facilities producing carpet, allocation was performed based on area since the production processes are similar for products of different weights. Allocation by weight and area was deemed appropriate for the type of production used at J+J facilities. As a default, secondary Sphera Managed LCA Content datasets use a physical basis for allocation.

Of relevance to the defined system boundary is the method in which recycled materials were handled. Throughout the study recycled materials were accounted for via the cut-off method. Under this method, impacts and benefits associated with the previous life of a raw material from recycled

stock are excluded from the system boundary. Additionally, impacts and benefits associated with secondary functions of materials at end of life are also excluded (i.e., production into a third life or energy generation from the incineration plant). The study does include the impacts associated with reprocessing and preparation of recycled materials that are part of the bill of materials of the products under study.

Comparability and Benchmarking

The user of the EPD should take care when comparing EPDs from different companies. Assumptions, data sources, and assessment tools may all impact the uncertainty of the final results and make comparisons misleading. Without understanding the specific variability, the user is therefore, not encouraged to compare EPDs. Even for similar products, differences in use and end-of-life stage assumptions, and data quality may produce incomparable results. Comparison of the environmental performance of Flooring Products using EPD information shall be based on the product's use and impacts at the building level, and therefore EPDs may not be used for comparability purposes when not considering the building energy use phase as instructed under this PCR. Full conformance with the PCR for Products allows EPD comparability only when all stages of a life cycle have been considered. However, variations and deviations are possible. Example of variations: Different LCA software and background LCI datasets may lead to differences results for upstream or downstream of the life cycle stages declared.

Table 7: Life Cycle Stages Included in the Study

Pr	Production C		Construction		Use				End o	of Life		Benefits & Loads Beyond System Boundary				
A1	A2	А3	A4	A5	B1	B2	В3	B4	B5	B6	B7	C1	C2	C3	C4	D
Raw Material Supply	Transport	Manufacturing	Transport to Site	Assembly/Install	Use	Maintenance	Repair	Replacement	Refurbishment	Operational Energy Use	Operational Water Use	Deconstruction	Transport	Waste Processing	Disposal	Reuse, Recovery, Recycling Potential
X	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	X	X	X	X	X	X	X	MND

X = Module Included in LCA Report, MND = Module not Declared



Life Cycle Assessment Scenarios

Table 8: Transportation to Building Site (A₄)

	Shipping
Vehicle Type	Truck - Heavy Heavy-duty Diesel Truck / 53,333 lb payload - 8b
Fuel Efficiency [L/100km]	42
Fuel Type	Diesel
Distance [km]	800
Capacity Utilization [%]	68%
Capacity Utilization Volume Factor	1
Weight of Products Transported [kg]	3.01
Volume of Products Transported [m³]	2.02E-03

Table 9: Reference Service Life

Name	Reference Product
RSL [years]	15
Declared product properties (at the gate) and finishes, etc.	See Table 1 for technical details
An assumed quality of work, when installed in accordance with the manufacturer's instructions	Per industry standards
Maintenance	See Use section below for maintenance instructions
Indoor Environment	Standard building operating conditions.
Use Conditions	Standard building operating conditions.

Table 10: Installation at building site (A5)

	Value [kg per m²]
Adhesive	1.15E-01
Product loss (to landfill) per m² of product	5.88E-02
Waste materials at the construction site before waste processing, generated by product installation [kg]	6.80E-02
Cardboard Packaging Waste to Landfill	1.34E-02
Cardboard Packaging Waste to Incineration	3.35E-03
Cardboard Packaging Waste to Recycling	5.02E-02
Plastic to Landfill	6.80E-04
Plastic to Incineration	1.70E-04
Plastic to Recycling	1.50E-04
Biogenic Carbon Content of Pa	ckaging
Cardboard [kg CO₂eq.]	1.06E-01

Activity	Details	Value	Unit
	Frequency	18,750	Cycles/ ESL
Vacuum	Electricity for vacuuming	0.95	kWh/m²/yr
	Power output of vacuum	1,650	W
	Frequency	150	Cycles/ ESL
	Net freshwater consumption	1.9	kg/m²/yr
Deep Cleaning	Detergent for deep cleaning	0.1	kg/m²/yr
	Electricity for deep cleaning	0.05	kWh/m²/yr
	Power output of commercial carpet cleaner	1,400	W

Table 12: End-of-Life Scenario Details (C1-C4)

	Value
Collected as mixed construction waste [kg]	3.12
Waste to Landfill [kg]	3.12
Distance to Landfill [km]	161
Waste to Incineration [kg]	0
Distance to Incineration [km]	N/A
Waste to Recycling [kg]	0
Distance to Recycling [km]	N/A

Table 13: Transport to End-of-Life (C1-C4) per m² of product.

End-of-Life Transportation Parameter	Value
Vehicle Type	Truck - Heavy Heavy-duty Diesel Truck / 53,333 lb payload - 8b
Fuel Efficiency [L/100km]	42
Fuel Type	Diesel
Distance [km]	161
Capacity Utilization [%]	67%
Weight of Products Transported [kg]	3.12



Life Cycle Assessment Results

All results are given per functional unit, which is 1 m² of installed flooring over an estimated building life of 75 years. Environmental Impacts were calculated using the Sphera LCA for Experts software platform. Impact results have been calculated using IPCC AR5, TRACI 2.1 and CML 2001-Jan 2016 characterization factors. LCIA results are relative expressions and do not predict impacts on category endpoints, the exceeding of thresholds, safety margins or risks. The Impact Category Key table gives definitions of relevant acronyms.

To account for the variety in face weights and yarn type, four sets of results—16oz face weight, 19oz face weight, 26 oz face weight, and 36oz face weight—are provide per yarn type—Encore® SD Ultima, Encore® 100, and Teraplex® SD PET.

Table 14: Impact Category Key - LCIA Indicators

Abbreviation	Parameter	Unit
IPCC AR5		
GWPi	Global warming potential (100 years, includes biogenic CO ₂)	kg CO₂ eq
GWPe	Global warming potential (100 years, excludes biogenic CO ₂)	kg CO₂ eq
CML 2001-Jan	2016	
GWP	Global warming potential (100 years, includes biogenic CO ₂)	kg CO₂ eq
ODP	Depletion of stratospheric ozone layer	kg CFC 11 eq
AP	Acidification potential of soil and water	kg SO₂ eq
EP	Eutrophication potential	kg Phosphate eq
POCP	Photochemical ozone creation potential	kg Ethene eq
ADPE	Abiotic depletion potential for non-fossil resources	kg Sb eq
ADPF	Abiotic depletion potential for fossil resources	MJ, net calorific value
TRACI 2.1		
AP	Acidification potential of soil and water	kg SO₂ eq
EP	Eutrophication potential	kg N eq
GWP	Global warming potential (100 years, includes biogenic CO ₂)	kg CO₂ eq
ODP	Depletion of stratospheric ozone layer	kg CFC 11 eq
Resources	Depletion of non-renewable fossil fuels	MJ, surplus energy
SFP	Smog formation potential	kg O₃ eq



Table 15: Impact Category Key – Biogenic Carbon Indicators

Abbreviation	Parameter	Unit
BCRP	Biogenic Carbon Removal from Product	[kg CO ₂]
BCEP	Biogenic Carbon Emission from Product	[kg CO ₂]
BCRK	Biogenic Carbon Removal from Packaging	[kg CO ₂]
BCEK	Biogenic Carbon Emission from Packaging	[kg CO ₂]
BCEW	Biogenic Carbon Emission from Combustion of Waste from	[kg CO ₂]
BCEW	Renewable Sources Used in Production Processes	ikg CO2i
CCE	Calcination Carbon Emissions	[kg CO ₂]
CCR	Carbonation Carbon Removals	[kg CO ₂]
CWNR	Carbon Emissions from Combustion of Waste from Non- Renewable	[kg CO ₂]
CWINK	Sources used in Production Processes	ing CO21

Table 16: Impact Category Key – Resource Use, Waste, and Output Flow Indicators

Abbreviation	Parameter	Unit
Resource Use I	Parameters	
RPRE	Use of renewable primary energy excluding renewable primary energy resources used as raw materials	MJ, net calorific value (LHV)
RPRM	Use of renewable primary energy resources used as raw materials	MJ, net calorific value
RPRT	Total use of renewable primary energy resources	MJ, net calorific value
NRPRE	Use of non-renewable primary energy excluding non-renewable primary energy resources used as raw materials	MJ, net calorific value
NRPRM	Use of non-renewable primary energy resources used as raw materials	MJ, net calorific value
NRPRT	Total use of non-renewable primary energy resources	MJ, net calorific value
SM	Use of secondary materials	kg
RSF	Use of renewable secondary fuels	MJ, net calorific value
NRSF	Use of non-renewable secondary fuels	MJ, net calorific value
RE	Recovered energy	MJ, net calorific value
FW	Net use of fresh water	m3
Waste Parame	ters and Output Flows	
HWD	Disposed-of-hazardous waste	kg
NHWD	Disposed-of non-hazardous waste	kg
HLRW	High-level radioactive waste, conditioned, to final repository	kg
ILLRW	Intermediate- and low-level radioactive waste, conditioned, to final repository	kg
CRU	Components for reuse	kg
MR	Materials for recycling	kg
MER	Materials for energy recovery	kg
EEE	Exported electrical energy	MJ
EET	Exported thermal energy	MJ



J+J Flooring Nexus® Modular Carpet Tile - Encore® SD Ultima® Nylon Results (190z face weight)

Table 17: LCIA results for Nexus® Modular Tile, per one square meter of installed flooring.

Impact Category	A1-A3	A4	A5	В1	B2	В3	В4	В5	В6	В7	C1	C2	C3	C4	D
IPCC AR5															
GWPi [kg CO₂ eq]	1.08E+01	1.95E-01	2.60E-01	0.00E+00	3.74E+01	0.00E+00	4.55E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-02	0.00E+00	6.34E-02	MND
GWPe [kg CO₂ eq]	1.09E+01	1.95E-01	2.53E-01	0.00E+00	3.74E+01	0.00E+00	4.57E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-02	0.00E+00	6.36E-02	MND
CML LCIA Impacts (Euro	pe, Rest of	World)													
GWP [kg CO₂ eq]	1.05E+01	1.93E-01	2.51E-01	0.00E+00	3.67E+01	0.00E+00	4.43E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-02	0.00E+00	6.21E-02	MND
ODP [kg CFC 11 eq]	8.33E-09	2.78E-14	1.67E-10	0.00E+00	2.07E-10	0.00E+00	3.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-15	0.00E+00	1.70E-13	MND
AP [kg SO₂ eq]	1.33E-02	6.45E-04	3.28E-04	0.00E+00	4.92E-02	0.00E+00	5.85E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-05	0.00E+00	3.08E-04	MND
EP [kg Phosphate eq]	2.35E-03	1.88E-04	7.68E-05	0.00E+00	7.20E-03	0.00E+00	1.28E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-05	0.00E+00	5.64E-04	MND
POCP [kg Ethene eq]	2.85E-03	-2.39E-04	6.05E-05	0.00E+00	4.06E-03	0.00E+00	1.07E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-2.71E-05	0.00E+00	2.32E-05	MND
ADPE [kg Sb eq]	1.60E-05	1.42E-08	3.76E-07	0.00E+00	3.99E-06	0.00E+00	6.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-09	0.00E+00	1.85E-08	MND
ADPF [MJ]	2.09E+02	2.69E+00	4.65E+00	0.00E+00	4.70E+02	0.00E+00	8.70E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-01	0.00E+00	9.56E-01	MND
TRACI LCIA Impacts (No	rth America	a)													
AP [kg SO₂ eq]	1.56E-02	8.89E-04	3.95E-04	0.00E+00	5.21E-02	0.00E+00	6.92E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	3.27E-04	MND
EP [kg N eq]	1.56E-03	7.88E-05	5.01E-05	0.00E+00	1.07E-02	0.00E+00	8.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05	0.00E+00	4.44E-04	MND
GWP [kg CO₂ eq]	1.05E+01	1.92E-01	2.42E-01	0.00E+00	3.64E+01	0.00E+00	4.41E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-02	0.00E+00	6.18E-02	MND
ODP [kg CFC 11 eq]	9.05E-09	4.98E-16	1.81E-10	0.00E+00	3.72E-12	0.00E+00	3.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.81E-17	0.00E+00	3.03E-15	MND
Resources [MJ]	2.76E+01	3.59E-01	6.16E-01	0.00E+00	4.21E+01	0.00E+00	1.15E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-02	0.00E+00	1.24E-01	MND
POCP [kg O₃ eq]	2.73E-01	2.06E-02	6.74E-03	0.00E+00	7.16E-01	0.00E+00	1.24E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-03	0.00E+00	5.96E-03	MND
Carbon Emissions and U	ptake														
BCRP [kg CO₂]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
BCEP [kg CO₂]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
BCRK [kg CO₂]	1.06E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
BCEK [kg CO₂]	0.00E+00	0.00E+00	1.06E-01	0.00E+00	0.00E+00	0.00E+00	4.23E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
BCEW [kg CO₂]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
CCE [kg CO₂]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
CCR [kg CO₂]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
CWNR [kg CO₂]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND



Table 18: Resource use, waste, and output flow results for Nexus® Modular Tile per one square meter of installed flooring.

Impact Category	A1-A3	A4	A5	B1	B2	В3	В4	В5	В6	В7	C1	C2	C3	C4	D
Resource Use Indicators															
RPR _E [MJ]	1.44E+01	1.08E-01	3.12E-01	0.00E+00	1.46E+02	0.00E+00	6.00E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-02	0.00E+00	1.16E-01	MND
RPR _M [MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
RPR _T [MJ]	1.44E+01	1.08E-01	3.12E-01	0.00E+00	1.46E+02	0.00E+00	6.00E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-02	0.00E+00	1.16E-01	MND
NRPR _E [MJ]	1.80E+02	2.71E+00	4.10E+00	0.00E+00	6.39E+02	0.00E+00	7.55E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-01	0.00E+00	9.87E-01	MND
NRPR _M [MJ]	4.89E+01	0.00E+00	9.78E-01	0.00E+00	0.00E+00	0.00E+00	1.99E+02	0.00E+00	MND						
NRPR _T [MJ]	2.29E+02	2.71E+00	5.08E+00	0.00E+00	6.39E+02	0.00E+00	9.55E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-01	0.00E+00	9.87E-01	MND
SM [kg]	3.82E-02	0.00E+00	7.64E-04	0.00E+00	0.00E+00	0.00E+00	1.56E-01	0.00E+00	MND						
RSF [MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
NRSF [MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
RE [MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
FW [m ³]	4.40E-02	3.71E-04	1.01E-03	0.00E+00	2.59E-01	0.00E+00	1.82E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.30E-05	0.00E+00	1.22E-04	MND
Output Flows and Waste	e Categorie	s													
HWD [kg]	1.81E-06	7.81E-12	3.63E-08	0.00E+00	-6.61E-09	0.00E+00	7.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-12	0.00E+00	2.46E-11	MND
NHWD [kg]	5.36E-01	2.36E-04	8.09E-02	0.00E+00	2.62E-01	0.00E+00	1.42E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-05	0.00E+00	2.94E+00	MND
HLRW [kg]	8.72E-06	9.24E-09	1.83E-07	0.00E+00	7.17E-05	0.00E+00	3.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-09	0.00E+00	1.22E-08	MND
ILLRW [kg]	7.35E-03	7.77E-06	1.54E-04	0.00E+00	5.99E-02	0.00E+00	3.01E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-06	0.00E+00	1.09E-05	MND
CRU [kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
MR [kg]	0.00E+00	0.00E+00	1.01E-01	0.00E+00	0.00E+00	0.00E+00	4.03E-01	0.00E+00	MND						
MER [kg]	0.00E+00	0.00E+00	3.52E-03	0.00E+00	0.00E+00	0.00E+00	1.41E-02	0.00E+00	MND						
EEE [MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
EET [MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND



J+J Flooring Nexus® Modular Carpet Tile - Encore® 100 Nylon Results (190z face weight)

Table 19: LCIA results for Nexus® Modular Tile, per one square meter of installed flooring.

Impact Category	A1-A3	A4	A5	B1	B2	В3	B4	B5	В6	B7	C1	C2	C3	C4	D
IPCC AR5			-							<u> </u>			-		
GWPi [kg CO ₂ eq]	7.20E+00	1.95E-01	1.88E-01	0.00E+00	3.74E+01	0.00E+00	3.07E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-02	0.00E+00	6.34E-02	MND
GWPe [kg CO ₂ eq]	7.26E+00	1.95E-01	1.81E-01	0.00E+00	3.74E+01	0.00E+00	3.10E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-02	0.00E+00	6.36E-02	MND
CML LCIA Impacts (Euro	pe, Rest of	World)													
GWP [kg CO₂ eq]	7.02E+00	1.93E-01	1.81E-01	0.00E+00	3.67E+01	0.00E+00	3.00E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-02	0.00E+00	6.21E-02	MND
ODP [kg CFC 11 eq]	8.33E-09	2.78E-14	1.67E-10	0.00E+00	2.07E-10	0.00E+00	3.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-15	0.00E+00	1.70E-13	MND
AP [kg SO₂ eq]	7.43E-03	6.45E-04	2.11E-04	0.00E+00	4.92E-02	0.00E+00	3.47E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-05	0.00E+00	3.08E-04	MND
EP [kg Phosphate eq]	1.44E-03	1.88E-04	5.87E-05	0.00E+00	7.20E-03	0.00E+00	9.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-05	0.00E+00	5.64E-04	MND
POCP [kg Ethene eq]	1.17E-03	-2.39E-04	2.69E-05	0.00E+00	4.06E-03	0.00E+00	3.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-2.71E-05	0.00E+00	2.32E-05	MND
ADPE [kg Sb eq]	1.50E-05	1.42E-08	3.58E-07	0.00E+00	3.99E-06	0.00E+00	6.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-09	0.00E+00	1.85E-08	MND
ADPF [MJ]	1.34E+02	2.69E+00	3.15E+00	0.00E+00	4.70E+02	0.00E+00	5.64E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-01	0.00E+00	9.56E-01	MND
TRACI LCIA Impacts (No	rth America	a)													
AP [kg SO₂ eq]	8.62E-03	8.89E-04	2.56E-04	0.00E+00	5.21E-02	0.00E+00	4.08E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	3.27E-04	MND
EP [kg N eq]	8.66E-04	7.88E-05	3.62E-05	0.00E+00	1.07E-02	0.00E+00	5.74E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05	0.00E+00	4.44E-04	MND
GWP [kg CO₂ eq]	7.02E+00	1.92E-01	1.72E-01	0.00E+00	3.64E+01	0.00E+00	2.99E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-02	0.00E+00	6.18E-02	MND
ODP [kg CFC 11 eq]	9.05E-09	4.98E-16	1.81E-10	0.00E+00	3.72E-12	0.00E+00	3.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.81E-17	0.00E+00	3.03E-15	MND
Resources [MJ]	1.72E+01	3.59E-01	4.07E-01	0.00E+00	4.21E+01	0.00E+00	7.24E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-02	0.00E+00	1.24E-01	MND
POCP [kg O ₃ eq]	1.83E-01	2.06E-02	4.93E-03	0.00E+00	7.16E-01	0.00E+00	8.67E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-03	0.00E+00	5.96E-03	MND
Carbon Emissions and U	ptake	1	T	1			T		1			1			
BCRP [kg CO₂]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
BCEP [kg CO₂]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
BCRK [kg CO₂]	1.06E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
BCEK [kg CO₂]	0.00E+00	0.00E+00	1.06E-01	0.00E+00	0.00E+00	0.00E+00	4.23E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
BCEW [kg CO₂]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
CCE [kg CO ₂]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
CCR [kg CO₂]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
CWNR [kg CO₂]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND



Table 20: Resource use, waste, and output flow results for Nexus® Modular Tile per one square meter of installed flooring.

Impact Category	A1-A3	A4	A5	В1	B2	В3	В4	В5	В6	В7	C1	C2	C3	C4	D
Resource Use Indicators															
RPR _E [MJ]	1.40E+01	1.08E-01	3.03E-01	0.00E+00	1.46E+02	0.00E+00	5.82E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-02	0.00E+00	1.16E-01	MND
RPR _M [MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
RPR _T [MJ]	1.40E+01	1.08E-01	3.03E-01	0.00E+00	1.46E+02	0.00E+00	5.82E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-02	0.00E+00	1.16E-01	MND
NRPR _E [MJ]	1.24E+02	2.71E+00	2.98E+00	0.00E+00	6.39E+02	0.00E+00	5.26E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-01	0.00E+00	9.87E-01	MND
NRPR _M [MJ]	2.89E+01	0.00E+00	5.78E-01	0.00E+00	0.00E+00	0.00E+00	1.18E+02	0.00E+00	MND						
NRPR _T [MJ]	1.53E+02	2.71E+00	3.56E+00	0.00E+00	6.39E+02	0.00E+00	6.44E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-01	0.00E+00	9.87E-01	MND
SM [kg]	3.82E-02	0.00E+00	7.64E-04	0.00E+00	0.00E+00	0.00E+00	1.56E-01	0.00E+00	MND						
RSF [MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
NRSF [MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
RE [MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
FW [m³]	3.45E-02	3.71E-04	8.15E-04	0.00E+00	2.59E-01	0.00E+00	1.44E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.30E-05	0.00E+00	1.22E-04	MND
Output Flows and Waste	Categorie	s													
HWD [kg]	1.81E-06	7.81E-12	3.62E-08	0.00E+00	-6.61E-09	0.00E+00	7.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-12	0.00E+00	2.46E-11	MND
NHWD [kg]	5.87E-01	2.36E-04	8.20E-02	0.00E+00	2.62E-01	0.00E+00	1.44E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-05	0.00E+00	2.94E+00	MND
HLRW [kg]	8.08E-06	9.24E-09	1.70E-07	0.00E+00	7.17E-05	0.00E+00	3.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-09	0.00E+00	1.22E-08	MND
ILLRW [kg]	6.96E-03	7.77E-06	1.46E-04	0.00E+00	5.99E-02	0.00E+00	2.85E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-06	0.00E+00	1.09E-05	MND
CRU [kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
MR [kg]	0.00E+00	0.00E+00	1.01E-01	0.00E+00	0.00E+00	0.00E+00	4.03E-01	0.00E+00	MND						
MER [kg]	0.00E+00	0.00E+00	3.52E-03	0.00E+00	0.00E+00	0.00E+00	1.41E-02	0.00E+00	MND						
EEE [MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
EET [MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND



J+J Flooring Nexus® Modular Carpet Tile - TeraPlex® SD PET (190z face weight)

Table 21: LCIA results for Nexus® Modular Tile, per one square meter of installed flooring.

Impact Category	A1-A3	A4	A5	B1	B2	В3	B4	B5	В6	В7	C1	C2	C3	C4	D
IPCC AR5															
GWPi [kg CO₂ eq]	1.05E+01	1.95E-01	2.54E-01	0.00E+00	3.74E+01	0.00E+00	4.41E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-02	0.00E+00	6.34E-02	MND
GWPe [kg CO₂ eq]	1.05E+01	1.95E-01	2.47E-01	0.00E+00	3.74E+01	0.00E+00	4.44E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-02	0.00E+00	6.36E-02	MND
CML LCIA Impacts (Euro	pe, Rest of	World)													
GWP [kg CO₂ eq]	1.02E+01	1.93E-01	2.45E-01	0.00E+00	3.67E+01	0.00E+00	4.30E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-02	0.00E+00	6.21E-02	MND
ODP [kg CFC 11 eq]	8.33E-09	2.78E-14	1.67E-10	0.00E+00	2.07E-10	0.00E+00	3.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-15	0.00E+00	1.70E-13	MND
AP [kg SO₂ eq]	9.97E-03	6.45E-04	2.62E-04	0.00E+00	4.92E-02	0.00E+00	4.51E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-05	0.00E+00	3.08E-04	MND
EP [kg Phosphate eq]	2.08E-03	1.88E-04	7.15E-05	0.00E+00	7.20E-03	0.00E+00	1.17E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-05	0.00E+00	5.64E-04	MND
POCP [kg Ethene eq]	1.66E-03	-2.39E-04	3.67E-05	0.00E+00	4.06E-03	0.00E+00	5.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-2.71E-05	0.00E+00	2.32E-05	MND
ADPE [kg Sb eq]	1.56E-05	1.42E-08	3.68E-07	0.00E+00	3.99E-06	0.00E+00	6.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-09	0.00E+00	1.85E-08	MND
ADPF [MJ]	2.04E+02	2.69E+00	4.55E+00	0.00E+00	4.70E+02	0.00E+00	8.50E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-01	0.00E+00	9.56E-01	MND
TRACI LCIA Impacts (No	rth America	a)													
AP [kg SO₂ eq]	1.17E-02	8.89E-04	3.17E-04	0.00E+00	5.21E-02	0.00E+00	5.32E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	3.27E-04	MND
EP [kg N eq]	1.16E-03	7.88E-05	4.21E-05	0.00E+00	1.07E-02	0.00E+00	6.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05	0.00E+00	4.44E-04	MND
GWP [kg CO₂ eq]	1.02E+01	1.92E-01	2.35E-01	0.00E+00	3.64E+01	0.00E+00	4.28E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-02	0.00E+00	6.18E-02	MND
ODP [kg CFC 11 eq]	9.05E-09	4.98E-16	1.81E-10	0.00E+00	3.72E-12	0.00E+00	3.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.81E-17	0.00E+00	3.03E-15	MND
Resources [MJ]	2.61E+01	3.59E-01	5.86E-01	0.00E+00	4.21E+01	0.00E+00	1.09E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-02	0.00E+00	1.24E-01	MND
POCP [kg O₃ eq]	2.59E-01	2.06E-02	6.45E-03	0.00E+00	7.16E-01	0.00E+00	1.18E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-03	0.00E+00	5.96E-03	MND
Carbon Emissions and U	ptake														
BCRP [kg CO₂]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
BCEP [kg CO₂]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
BCRK [kg CO₂]	1.06E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
BCEK [kg CO₂]	0.00E+00	0.00E+00	1.06E-01	0.00E+00	0.00E+00	0.00E+00	4.23E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
BCEW [kg CO₂]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
CCE [kg CO₂]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
CCR [kg CO₂]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
CWNR [kg CO₂]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND



Table 22: Resource use, waste, and output flow results for Nexus® Modular Tile per one square meter of installed flooring.

Impact Category	A1-A3	A4	A5	B1	B2	В3	B4	В5	В6	В7	C1	C2	C3	C4	D
Resource Use Indicators															
RPR _E [MJ]	1.78E+01	1.08E-01	3.80E-01	0.00E+00	1.46E+02	0.00E+00	7.39E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-02	0.00E+00	1.16E-01	MND
RPR _M [MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
RPR _T [MJ]	1.78E+01	1.08E-01	3.80E-01	0.00E+00	1.46E+02	0.00E+00	7.39E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-02	0.00E+00	1.16E-01	MND
NRPR _E [MJ]	1.85E+02	2.71E+00	4.20E+00	0.00E+00	6.39E+02	0.00E+00	7.75E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-01	0.00E+00	9.87E-01	MND
NRPR _M [MJ]	4.65E+01	0.00E+00	9.30E-01	0.00E+00	0.00E+00	0.00E+00	1.90E+02	0.00E+00	MND						
NRPR _T [MJ]	2.32E+02	2.71E+00	5.13E+00	0.00E+00	6.39E+02	0.00E+00	9.64E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-01	0.00E+00	9.87E-01	MND
SM [kg]	3.82E-02	0.00E+00	7.64E-04	0.00E+00	0.00E+00	0.00E+00	1.56E-01	0.00E+00	MND						
RSF [MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
NRSF [MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
RE [MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
FW [m ³]	5.95E-02	3.71E-04	1.32E-03	0.00E+00	2.59E-01	0.00E+00	2.46E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.30E-05	0.00E+00	1.22E-04	MND
Output Flows and Waste	Categorie	s													
HWD [kg]	1.81E-06	7.81E-12	3.63E-08	0.00E+00	-6.61E-09	0.00E+00	7.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-12	0.00E+00	2.46E-11	MND
NHWD [kg]	4.92E-01	2.36E-04	8.01E-02	0.00E+00	2.62E-01	0.00E+00	1.40E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-05	0.00E+00	2.94E+00	MND
HLRW [kg]	1.19E-05	9.24E-09	2.47E-07	0.00E+00	7.17E-05	0.00E+00	4.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-09	0.00E+00	1.22E-08	MND
ILLRW [kg]	9.97E-03	7.77E-06	2.06E-04	0.00E+00	5.99E-02	0.00E+00	4.08E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-06	0.00E+00	1.09E-05	MND
CRU [kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
MR [kg]	0.00E+00	0.00E+00	1.01E-01	0.00E+00	0.00E+00	0.00E+00	4.03E-01	0.00E+00	MND						
MER [kg]	0.00E+00	0.00E+00	3.52E-03	0.00E+00	0.00E+00	0.00E+00	1.41E-02	0.00E+00	MND						
EEE [MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
EET [MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND



J+J Flooring Nexus® Modular Tile - A1-A3 Global Warming Potential (GWP) by yarn weight

J+J Flooring produces the reference product with a variety of different yarn weights. Table 23 shows the embodied carbon values for the different variations of this product (e.g. the embodied carbon of the reference product with different face weights as produced by J+J Flooring). Embodied carbon in this EPD refers to A1-A3 (cradle-to-gate) TRACI 2.1 GWP impacts. This value reflects the GWP associated with upstream material extraction and processing, material transportation to J+J Flooring facilities, and the J+J Flooring production process. Embodied carbon in Table 23 is presented excluding biogenic carbon.

Table 23: A1-A3 GWP for additional product yarn weights in (oz/yd²) and (g/m²)

	A1-A3 GWP (TRACI 2.1, G	Global Warming Air, excl. bioge	
Yarn Weight	Encore SD® Ultima Nylon	Encore® 100 Nylon	TeraPlex® SD PET
12 oz. / 407 gr.	8.82	6.50	8.61
13 oz. / 441 gr.	9.06	6.57	8.83
14 oz. / 475 gr.	9.29	6.65	9.06
15 oz. / 509 gr.	9.53	6.72	9.28
16 oz. / 542 gr.	9.77	6.79	9.51
17 oz. / 575 gr.	10.01	6.87	9.73
18 oz. / 610 gr.	10.25	6.94	9.95
19 oz. / 644 gr.	10.49	7.02	10.18
20 oz. / 678 gr.	10.72	7.09	10.40
21 oz. / 712 gr.	10.96	7.16	10.63
22 oz. / 746 gr.	11.20	7.24	10.85
23 oz. / 780 gr.	11.44	7.31	11.07
24 oz. / 814 gr.	11.68	7.39	11.30
25 oz. / 848 gr.	11.92	7.46	11.52
26 oz. / 881 gr.	12.16	7.53	11.74
27 oz. / 915 gr.	12.39	7.61	11.97
28 oz. / 949 gr.	12.63	7.68	12.19
29 oz. / 983 gr.	12.86	7.76	12.41
30 oz. / 1017 gr.	13.10	7.83	12.63
31 oz. / 1051 gr.	13.33	7.90	12.85
32 oz. / 1085 gr.	13.57	7.98	13.07
33 oz. / 1119 gr.	13.80	8.05	13.29
34 oz. / 1153 gr.	14.04	8.13	13.51
35 oz. / 1187 gr.	14.27	8.20	13.73
36 oz. / 1220 gr.	14.51	8.27	13.95
37 oz. / 1254 gr.	14.74	8.35	14.17
38 oz. / 1288 gr.	14.98	8.42	14.39
39 oz. / 1322 gr.	15.21	8.50	14.61
40 oz. / 1356 gr.	15.45	8.57	14.84
41 oz. / 1390 gr.	15.68	8.64	15.06
42 oz. / 1424 gr.	15.92	8.72	15.28

J+J FLOORING

Life Cycle Assessment Interpretation

In terms of Global Warming Potential, B4 and B2 emerge as the major contributors. This follows the fact that with an RSL of 15 years, there are 4 replacements that need to occur during the 75 years of building operation, apart from the initial product installation. This includes raw material extraction, manufacturing, distribution, install and end of life (for replaced product) for every replacement. This causes impacts from B4 to overshadow impacts from any other phase in the life cycle.

If the impacts from B4 are set aside to observe impacts from other phases, B2 emerges as a major contributor over a 75-year ESL of the building. This is primarily due to the consumption of energy and resources used to maintain resilient tile over the course of its lifetime. Figure 4 shows the dominance analysis to highlight which of the life cycle modules contributes to the majority of the impacts.

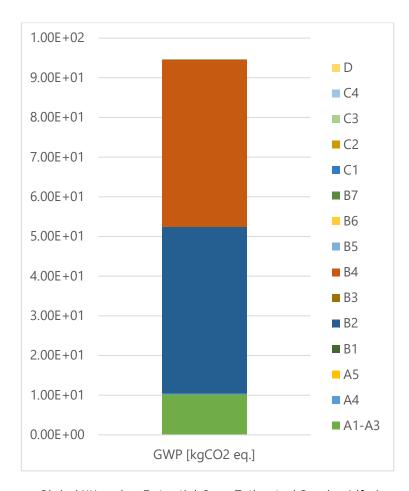


Figure 4: Global Warming Potential Over Estimated Service Life (75 years)



Additional Environmental Information

Environment and Health During Manufacturing

More information on J+J's sustainability resources can be found on <u>J+J's website</u>.

Environment and Health During Installation

The product should be installed according to the manufacturer's instructions found at https://www.jjflooringgroup.com/technical/installation-maintenance/. All recommended personal protective equipment (PPE) should be utilized during installation, as indicated on the SDS and installation guidelines, found online. Nexus® meets requirements of the Carpet and Rug Institute's Green Label Plus Program for indoor air quality (Certificate Number: GLP9716).

Extraordinary Effects

Fire

Nexus® Modular flooring achieves <450 for ASTM6 E662: Specific Optical Density of Smoke Generated by Solid Materials.

Water

Should the product become flooded, the floor covering should be removed, and the subfloor should be evaluated and repaired as needed. There are no environmental impacts associated with the product being flooded.

Mechanical Destruction

In the event that the product is mechanically destroyed, please revert to disposing the product using standard procedure and ensure timely replacement.

Environmental Activities and Certifications

J+J Flooring's carpets and adhesives emit minimal levels of volatile organic compounds (VOCs). Products included in this EPD are Green Label Plus and NSF 140 Gold certified and may contribute to LEED credits.

Additional information about the products can be found on J+J Flooring's Technical Resources page.

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Appendix

To adhere to Sections 2.5.2 Part A: Life Cycle Assessment Calculation Rules and Report Requirements from UL Environment, additional results for face weights of 16, 26, and 36oz are provided in the following appendix. These additional results ensure all values in Table 23: A1-A3 GWP for additional product yarn weights in (oz/yd^2) and (g/m^2) differ by no more than +/- 10% from at least one of the full results tables in this EPD.

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Life Cycle Assessment for Flooring, J+J Flooring, WAP Sustainability Consulting. January, 2024.



J+J Flooring Nexus® Modular Carpet Tile - Encore® SD Ultima® Nylon Minimum Results (16oz face weight)

Table 24: LCIA results for Nexus® Modular Tile, per one square meter of installed flooring.

Impact Category	A1-A3	A4	A5	B1	B2	В3	В4	B5	В6	В7	C1	C2	C3	C4	D
IPCC AR5	712713	7.4		51	32		24		30		01	0.2	- 55	0.7	
GWPi [kg CO₂ eq]	1.01E+01	1.88E-01	2.45E-01	0.00E+00	3.74E+01	0.00E+00	4.24E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-02	0.00E+00	6.12E-02	MND
GWPe [kg CO₂ eq]	1.01E+01	1.88E-01	2.38E-01	0.00E+00	3.74E+01	0.00E+00	4.26E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-02	0.00E+00	6.14E-02	MND
CML LCIA Impacts (Euro	pe, Rest of	World)													
GWP [kg CO₂ eq]	9.80E+00	1.86E-01	2.37E-01	0.00E+00	3.67E+01	0.00E+00	4.13E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-02	0.00E+00	5.99E-02	MND
ODP [kg CFC 11 eq]	8.35E-09	2.69E-14	1.67E-10	0.00E+00	2.07E-10	0.00E+00	3.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-15	0.00E+00	1.64E-13	MND
AP [kg SO₂ eq]	1.22E-02	6.23E-04	3.06E-04	0.00E+00	4.92E-02	0.00E+00	5.41E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-05	0.00E+00	2.97E-04	MND
EP [kg Phosphate eq]	2.18E-03	1.82E-04	7.30E-05	0.00E+00	7.20E-03	0.00E+00	1.20E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-05	0.00E+00	5.45E-04	MND
POCP [kg Ethene eq]	2.59E-03	-2.31E-04	5.55E-05	0.00E+00	4.06E-03	0.00E+00	9.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-2.62E-05	0.00E+00	2.24E-05	MND
ADPE [kg Sb eq]	1.58E-05	1.37E-08	3.74E-07	0.00E+00	3.99E-06	0.00E+00	6.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-09	0.00E+00	1.79E-08	MND
ADPF [MJ]	1.95E+02	2.60E+00	4.38E+00	0.00E+00	4.70E+02	0.00E+00	8.15E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-01	0.00E+00	9.23E-01	MND
TRACI LCIA Impacts (No	rth America	a)													
AP [kg SO₂ eq]	1.43E-02	8.59E-04	3.69E-04	0.00E+00	5.21E-02	0.00E+00	6.39E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	3.16E-04	MND
EP [kg N eq]	1.43E-03	7.61E-05	4.72E-05	0.00E+00	1.07E-02	0.00E+00	7.98E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05	0.00E+00	4.29E-04	MND
GWP [kg CO₂ eq]	9.77E+00	1.86E-01	2.27E-01	0.00E+00	3.64E+01	0.00E+00	4.11E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-02	0.00E+00	5.97E-02	MND
ODP [kg CFC 11 eq]	9.08E-09	4.81E-16	1.82E-10	0.00E+00	3.72E-12	0.00E+00	3.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.47E-17	0.00E+00	2.93E-15	MND
Resources [MJ]	2.59E+01	3.47E-01	5.80E-01	0.00E+00	4.21E+01	0.00E+00	1.08E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-02	0.00E+00	1.20E-01	MND
POCP [kg O₃ eq]	2.56E-01	1.99E-02	6.38E-03	0.00E+00	7.16E-01	0.00E+00	1.16E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-03	0.00E+00	5.76E-03	MND
Carbon Emissions and U	ptake														
BCRP [kg CO₂]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
BCEP [kg CO₂]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
BCRK [kg CO₂]	1.06E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
BCEK [kg CO₂]	0.00E+00	0.00E+00	1.06E-01	0.00E+00	0.00E+00	0.00E+00	4.23E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
BCEW [kg CO₂]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
CCE [kg CO₂]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
CCR [kg CO₂]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
CWNR [kg CO₂]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND



Table 25: Resource use, waste, and output flow results for Nexus® Modular Tile per one square meter of installed flooring.

Impact Category	A1-A3	A4	A5	В1	В2	В3	В4	В5	В6	В7	C1	C2	C3	C4	D
Resource Use Indicators															
RPR _E [MJ]	1.36E+01	1.04E-01	2.94E-01	0.00E+00	1.46E+02	0.00E+00	5.64E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-02	0.00E+00	1.12E-01	MND
RPR _M [MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
RPR _T [MJ]	1.36E+01	1.04E-01	2.94E-01	0.00E+00	1.46E+02	0.00E+00	5.64E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-02	0.00E+00	1.12E-01	MND
NRPR _E [MJ]	1.69E+02	2.62E+00	3.86E+00	0.00E+00	6.39E+02	0.00E+00	7.06E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-01	0.00E+00	9.53E-01	MND
NRPR _M [MJ]	4.62E+01	0.00E+00	9.23E-01	0.00E+00	0.00E+00	0.00E+00	1.88E+02	0.00E+00	MND						
NRPR _T [MJ]	2.15E+02	2.62E+00	4.79E+00	0.00E+00	6.39E+02	0.00E+00	8.94E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-01	0.00E+00	9.53E-01	MND
SM [kg]	3.82E-02	0.00E+00	7.64E-04	0.00E+00	0.00E+00	0.00E+00	1.56E-01	0.00E+00	MND						
RSF [MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
NRSF [MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
RE [MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
FW [m³]	4.14E-02	3.58E-04	9.51E-04	0.00E+00	2.59E-01	0.00E+00	1.71E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.05E-05	0.00E+00	1.18E-04	MND
Output Flows and Waste	Categorie	s													
HWD [kg]	1.82E-06	7.54E-12	3.64E-08	0.00E+00	-6.61E-09	0.00E+00	7.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-12	0.00E+00	2.38E-11	MND
NHWD [kg]	5.11E-01	2.28E-04	7.84E-02	0.00E+00	2.62E-01	0.00E+00	1.37E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-05	0.00E+00	2.84E+00	MND
HLRW [kg]	8.15E-06	8.92E-09	1.71E-07	0.00E+00	7.17E-05	0.00E+00	3.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-09	0.00E+00	1.18E-08	MND
ILLRW [kg]	6.86E-03	7.51E-06	1.44E-04	0.00E+00	5.99E-02	0.00E+00	2.81E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-06	0.00E+00	1.05E-05	MND
CRU [kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
MR [kg]	0.00E+00	0.00E+00	1.01E-01	0.00E+00	0.00E+00	0.00E+00	4.03E-01	0.00E+00	MND						
MER [kg]	0.00E+00	0.00E+00	3.52E-03	0.00E+00	0.00E+00	0.00E+00	1.41E-02	0.00E+00	MND						
EEE [MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
EET [MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND



J+J Flooring Nexus® Modular Carpet Tile - Encore® SD Ultima ®Nylon Middle Results (26oz face weight)

Table 26: LCIA results for Nexus® Modular Tile, per one square meter of installed flooring.

Impact Category	A1-A3	A4	A5	В1	В2	В3	В4	В5	В6	В7	C1	C2	C3	C4	D
IPCC AR5															
GWPi [kg CO₂ eq]	1.25E+01	2.10E-01	2.95E-01	0.00E+00	3.74E+01	0.00E+00	5.26E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-02	0.00E+00	6.85E-02	MND
GWPe [kg CO₂ eq]	1.26E+01	2.10E-01	2.88E-01	0.00E+00	3.74E+01	0.00E+00	5.28E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-02	0.00E+00	6.87E-02	MND
CML LCIA Impacts (Euro	pe, Rest of	World)													
GWP [kg CO₂ eq]	1.22E+01	2.08E-01	2.85E-01	0.00E+00	3.67E+01	0.00E+00	5.12E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-02	0.00E+00	6.71E-02	MND
ODP [kg CFC 11 eq]	8.27E-09	3.00E-14	1.65E-10	0.00E+00	2.07E-10	0.00E+00	3.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-15	0.00E+00	1.83E-13	MND
AP [kg SO₂ eq]	1.57E-02	6.95E-04	3.78E-04	0.00E+00	4.92E-02	0.00E+00	6.88E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-05	0.00E+00	3.33E-04	MND
EP [kg Phosphate eq]	2.73E-03	2.03E-04	8.57E-05	0.00E+00	7.20E-03	0.00E+00	1.46E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-05	0.00E+00	6.10E-04	MND
POCP [kg Ethene eq]	3.44E-03	-2.58E-04	7.19E-05	0.00E+00	4.06E-03	0.00E+00	1.30E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-2.93E-05	0.00E+00	2.51E-05	MND
ADPE [kg Sb eq]	1.62E-05	1.53E-08	3.81E-07	0.00E+00	3.99E-06	0.00E+00	6.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-09	0.00E+00	2.00E-08	MND
ADPF [MJ]	2.39E+02	2.91E+00	5.27E+00	0.00E+00	4.70E+02	0.00E+00	9.97E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-01	0.00E+00	1.03E+00	MND
TRACI LCIA Impacts (No	rth America	a)													
AP [kg SO₂ eq]	1.84E-02	9.59E-04	4.54E-04	0.00E+00	5.21E-02	0.00E+00	8.13E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	3.53E-04	MND
EP [kg N eq]	1.86E-03	8.50E-05	5.70E-05	0.00E+00	1.07E-02	0.00E+00	9.98E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05	0.00E+00	4.80E-04	MND
GWP [kg CO₂ eq]	1.22E+01	2.07E-01	2.75E-01	0.00E+00	3.64E+01	0.00E+00	5.10E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-02	0.00E+00	6.68E-02	MND
ODP [kg CFC 11 eq]	8.98E-09	5.37E-16	1.80E-10	0.00E+00	3.72E-12	0.00E+00	3.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-16	0.00E+00	3.28E-15	MND
Resources [MJ]	3.16E+01	3.87E-01	6.97E-01	0.00E+00	4.21E+01	0.00E+00	1.32E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-02	0.00E+00	1.34E-01	MND
POCP [kg O₃ eq]	3.13E-01	2.22E-02	7.58E-03	0.00E+00	7.16E-01	0.00E+00	1.41E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-03	0.00E+00	6.45E-03	MND
Carbon Emissions and U	ptake														
BCRP [kg CO₂]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
BCEP [kg CO₂]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
BCRK [kg CO₂]	1.06E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
BCEK [kg CO₂]	0.00E+00	0.00E+00	1.06E-01	0.00E+00	0.00E+00	0.00E+00	4.23E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
BCEW [kg CO₂]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
CCE [kg CO₂]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
CCR [kg CO₂]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
CWNR [kg CO₂]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND



Table 27: Resource use, waste, and output flow results for Nexus® Modular Tile per one square meter of installed flooring.

Impact Category	A1-A3	A4	A5	B1	B2	В3	В4	В5	В6	В7	C1	C2	C3	C4	D
Resource Use Indicators															
RPR _E [MJ]	1.65E+01	1.17E-01	3.54E-01	0.00E+00	1.46E+02	0.00E+00	6.85E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-02	0.00E+00	1.25E-01	MND
RPR _M [MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
RPR _T [MJ]	1.65E+01	1.17E-01	3.54E-01	0.00E+00	1.46E+02	0.00E+00	6.85E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-02	0.00E+00	1.25E-01	MND
NRPR _E [MJ]	2.08E+02	2.93E+00	4.66E+00	0.00E+00	6.39E+02	0.00E+00	8.69E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-01	0.00E+00	1.07E+00	MND
NRPR _M [MJ]	5.52E+01	0.00E+00	1.10E+00	0.00E+00	0.00E+00	0.00E+00	2.25E+02	0.00E+00	MND						
NRPR _T [MJ]	2.63E+02	2.93E+00	5.77E+00	0.00E+00	6.39E+02	0.00E+00	1.09E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-01	0.00E+00	1.07E+00	MND
SM [kg]	3.82E-02	0.00E+00	7.64E-04	0.00E+00	0.00E+00	0.00E+00	1.56E-01	0.00E+00	MND						
RSF [MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
NRSF [MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
RE [MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
FW [m ³]	5.02E-02	4.00E-04	1.13E-03	0.00E+00	2.59E-01	0.00E+00	2.08E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-05	0.00E+00	1.32E-04	MND
Output Flows and Waste	Categorie	s													
HWD [kg]	1.80E-06	8.42E-12	3.61E-08	0.00E+00	-6.61E-09	0.00E+00	7.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-12	0.00E+00	2.66E-11	MND
NHWD [kg]	5.93E-01	2.55E-04	8.68E-02	0.00E+00	2.62E-01	0.00E+00	1.54E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-05	0.00E+00	3.17E+00	MND
HLRW [kg]	1.00E-05	9.96E-09	2.09E-07	0.00E+00	7.17E-05	0.00E+00	4.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-09	0.00E+00	1.32E-08	MND
ILLRW [kg]	8.47E-03	8.39E-06	1.77E-04	0.00E+00	5.99E-02	0.00E+00	3.47E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-06	0.00E+00	1.18E-05	MND
CRU [kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
MR [kg]	0.00E+00	0.00E+00	1.01E-01	0.00E+00	0.00E+00	0.00E+00	4.03E-01	0.00E+00	MND						
MER [kg]	0.00E+00	0.00E+00	3.52E-03	0.00E+00	0.00E+00	0.00E+00	1.41E-02	0.00E+00	MND						
EEE [MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
EET [MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND



J+J Flooring Nexus® Modular Carpet Tile - Encore® SD Ultima® Nylon Maximum Results (36oz face weight)

Table 28: LCIA results for Nexus® Modular Tile, per one square meter of installed flooring.

Impact Category	A1-A3	A4	A5	В1	В2	В3	В4	В5	В6	В7	C1	C2	C3	C4	D
IPCC AR5															
GWPi [kg CO₂ eq]	1.44E+01	2.32E-01	3.33E-01	0.00E+00	3.74E+01	0.00E+00	6.03E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-02	0.00E+00	7.58E-02	MND
GWPe [kg CO₂ eq]	1.44E+01	2.32E-01	3.26E-01	0.00E+00	3.74E+01	0.00E+00	6.05E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-02	0.00E+00	7.61E-02	MND
CML LCIA Impacts (Euro	pe, Rest of	World)													
GWP [kg CO₂ eq]	1.46E+01	2.30E-01	3.34E-01	0.00E+00	3.67E+01	0.00E+00	6.10E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-02	0.00E+00	7.42E-02	MND
ODP [kg CFC 11 eq]	8.20E-09	3.31E-14	1.64E-10	0.00E+00	2.07E-10	0.00E+00	3.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-15	0.00E+00	2.03E-13	MND
AP [kg SO₂ eq]	1.91E-02	7.68E-04	4.49E-04	0.00E+00	4.92E-02	0.00E+00	8.32E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-05	0.00E+00	3.68E-04	MND
EP [kg Phosphate eq]	3.27E-03	2.24E-04	9.83E-05	0.00E+00	7.20E-03	0.00E+00	1.72E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-05	0.00E+00	6.74E-04	MND
POCP [kg Ethene eq]	4.27E-03	-2.85E-04	8.80E-05	0.00E+00	4.06E-03	0.00E+00	1.63E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-3.24E-05	0.00E+00	2.77E-05	MND
ADPE [kg Sb eq]	1.66E-05	1.69E-08	3.89E-07	0.00E+00	3.99E-06	0.00E+00	6.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-09	0.00E+00	2.21E-08	MND
ADPF [MJ]	2.83E+02	3.21E+00	6.15E+00	0.00E+00	4.70E+02	0.00E+00	1.18E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.34E-01	0.00E+00	1.14E+00	MND
TRACI LCIA Impacts (No	rth America	a)													
AP [kg SO₂ eq]	2.25E-02	1.06E-03	5.38E-04	0.00E+00	5.21E-02	0.00E+00	9.83E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	3.91E-04	MND
EP [kg N eq]	2.28E-03	9.39E-05	6.67E-05	0.00E+00	1.07E-02	0.00E+00	1.20E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05	0.00E+00	5.31E-04	MND
GWP [kg CO₂ eq]	1.45E+01	2.29E-01	3.23E-01	0.00E+00	3.64E+01	0.00E+00	6.07E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-02	0.00E+00	7.39E-02	MND
ODP [kg CFC 11 eq]	8.90E-09	5.93E-16	1.78E-10	0.00E+00	3.72E-12	0.00E+00	3.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-16	0.00E+00	3.62E-15	MND
Resources [MJ]	3.74E+01	4.28E-01	8.13E-01	0.00E+00	4.21E+01	0.00E+00	1.55E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.45E-02	0.00E+00	1.48E-01	MND
POCP [kg O₃ eq]	3.69E-01	2.45E-02	8.77E-03	0.00E+00	7.16E-01	0.00E+00	1.65E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-03	0.00E+00	7.13E-03	MND
Carbon Emissions and U	ptake														
BCRP [kg CO₂]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
BCEP [kg CO₂]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
BCRK [kg CO₂]	1.06E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
BCEK [kg CO₂]	0.00E+00	0.00E+00	1.06E-01	0.00E+00	0.00E+00	0.00E+00	4.23E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
BCEW [kg CO₂]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
CCE [kg CO₂]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
CCR [kg CO₂]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
CWNR [kg CO₂]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND



Table 29: Resource use, waste, and output flow results for Nexus® Modular Tile per one square meter of installed flooring.

Impact Category	A1-A3	A4	A5	В1	В2	В3	В4	В5	В6	В7	C1	C2	C3	C4	D
Resource Use Indicators															
RPR _E [MJ]	1.94E+01	1.29E-01	4.12E-01	0.00E+00	1.46E+02	0.00E+00	8.05E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-02	0.00E+00	1.38E-01	MND
RPR _M [MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
RPR _T [MJ]	1.94E+01	1.29E-01	4.12E-01	0.00E+00	1.46E+02	0.00E+00	8.05E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-02	0.00E+00	1.38E-01	MND
NRPR _E [MJ]	2.47E+02	3.23E+00	5.45E+00	0.00E+00	6.39E+02	0.00E+00	1.03E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-01	0.00E+00	1.18E+00	MND
NRPR _M [MJ]	6.42E+01	0.00E+00	1.28E+00	0.00E+00	0.00E+00	0.00E+00	2.62E+02	0.00E+00	MND						
NRPR _T [MJ]	3.11E+02	3.23E+00	6.74E+00	0.00E+00	6.39E+02	0.00E+00	1.29E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-01	0.00E+00	1.18E+00	MND
SM [kg]	3.82E-02	0.00E+00	7.64E-04	0.00E+00	0.00E+00	0.00E+00	1.56E-01	0.00E+00	MND						
RSF [MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
NRSF [MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
RE [MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
FW [m³]	5.90E-02	4.42E-04	1.31E-03	0.00E+00	2.59E-01	0.00E+00	2.44E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-05	0.00E+00	1.46E-04	MND
Output Flows and Waste	Categorie	s													
HWD [kg]	1.79E-06	9.30E-12	3.58E-08	0.00E+00	-6.61E-09	0.00E+00	7.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-12	0.00E+00	2.94E-11	MND
NHWD [kg]	6.73E-01	2.81E-04	9.52E-02	0.00E+00	2.62E-01	0.00E+00	1.71E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-05	0.00E+00	3.51E+00	MND
HLRW [kg]	1.19E-05	1.10E-08	2.47E-07	0.00E+00	7.17E-05	0.00E+00	4.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-09	0.00E+00	1.46E-08	MND
ILLRW [kg]	1.01E-02	9.26E-06	2.08E-04	0.00E+00	5.99E-02	0.00E+00	4.12E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-06	0.00E+00	1.31E-05	MND
CRU [kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
MR [kg]	0.00E+00	0.00E+00	1.01E-01	0.00E+00	0.00E+00	0.00E+00	4.03E-01	0.00E+00	MND						
MER [kg]	0.00E+00	0.00E+00	3.52E-03	0.00E+00	0.00E+00	0.00E+00	1.41E-02	0.00E+00	MND						
EEE [MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
EET [MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND



J+J Flooring Nexus® Modular Carpet Tile - Encore® 100 Nylon Minimum Results (16oz face weight)

Table 30: LCIA results for Nexus® Modular Tile, per one square meter of installed flooring.

Impact Category	A1-A3	A4	A5	В1	В2	В3	В4	В5	В6	В7	C1	C2	C3	C4	D
IPCC AR5															
GWPi [kg CO₂ eq]	6.97E+00	1.88E-01	1.83E-01	0.00E+00	3.74E+01	0.00E+00	2.98E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-02	0.00E+00	6.12E-02	MND
GWPe [kg CO₂ eq]	7.04E+00	1.88E-01	1.76E-01	0.00E+00	3.74E+01	0.00E+00	3.00E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-02	0.00E+00	6.14E-02	MND
CML LCIA Impacts (Euro	pe, Rest of	World)													
GWP [kg CO₂ eq]	6.79E+00	1.86E-01	1.77E-01	0.00E+00	3.67E+01	0.00E+00	2.90E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-02	0.00E+00	5.99E-02	MND
ODP [kg CFC 11 eq]	8.35E-09	2.69E-14	1.67E-10	0.00E+00	2.07E-10	0.00E+00	3.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-15	0.00E+00	1.64E-13	MND
AP [kg SO₂ eq]	7.22E-03	6.23E-04	2.06E-04	0.00E+00	4.92E-02	0.00E+00	3.37E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-05	0.00E+00	2.97E-04	MND
EP [kg Phosphate eq]	1.41E-03	1.82E-04	5.75E-05	0.00E+00	7.20E-03	0.00E+00	8.85E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-05	0.00E+00	5.45E-04	MND
POCP [kg Ethene eq]	1.16E-03	-2.31E-04	2.68E-05	0.00E+00	4.06E-03	0.00E+00	3.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-2.62E-05	0.00E+00	2.24E-05	MND
ADPE [kg Sb eq]	1.51E-05	1.37E-08	3.58E-07	0.00E+00	3.99E-06	0.00E+00	6.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-09	0.00E+00	1.79E-08	MND
ADPF [MJ]	1.31E+02	2.60E+00	3.10E+00	0.00E+00	4.70E+02	0.00E+00	5.53E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-01	0.00E+00	9.23E-01	MND
TRACI LCIA Impacts (No	rth America	a)													
AP [kg SO₂ eq]	8.38E-03	8.59E-04	2.50E-04	0.00E+00	5.21E-02	0.00E+00	3.96E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	3.16E-04	MND
EP [kg N eq]	8.36E-04	7.61E-05	3.52E-05	0.00E+00	1.07E-02	0.00E+00	5.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05	0.00E+00	4.29E-04	MND
GWP [kg CO₂ eq]	6.79E+00	1.86E-01	1.68E-01	0.00E+00	3.64E+01	0.00E+00	2.90E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-02	0.00E+00	5.97E-02	MND
ODP [kg CFC 11 eq]	9.08E-09	4.81E-16	1.82E-10	0.00E+00	3.72E-12	0.00E+00	3.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.47E-17	0.00E+00	2.93E-15	MND
Resources [MJ]	1.69E+01	3.47E-01	4.01E-01	0.00E+00	4.21E+01	0.00E+00	7.14E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-02	0.00E+00	1.20E-01	MND
POCP [kg O ₃ eq]	1.79E-01	1.99E-02	4.83E-03	0.00E+00	7.16E-01	0.00E+00	8.46E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-03	0.00E+00	5.76E-03	MND
Carbon Emissions and U	ptake														
BCRP [kg CO₂]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
BCEP [kg CO₂]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
BCRK [kg CO₂]	1.06E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
BCEK [kg CO₂]	0.00E+00	0.00E+00	1.06E-01	0.00E+00	0.00E+00	0.00E+00	4.23E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
BCEW [kg CO₂]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
CCE [kg CO₂]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
CCR [kg CO₂]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
CWNR [kg CO₂]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND



Table 31: Resource use, waste, and output flow results for Nexus® Modular Tile per one square meter of installed flooring.

Impact Category	A1-A3	A4	A5	В1	B2	В3	В4	B5	В6	В7	C1	C2	C3	C4	D
Resource Use Indicators															
RPR _E [MJ]	1.32E+01	1.04E-01	2.86E-01	0.00E+00	1.46E+02	0.00E+00	5.48E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-02	0.00E+00	1.12E-01	MND
RPR _M [MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
RPR _T [MJ]	1.32E+01	1.04E-01	2.86E-01	0.00E+00	1.46E+02	0.00E+00	5.48E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-02	0.00E+00	1.12E-01	MND
NRPR _E [MJ]	1.20E+02	2.62E+00	2.90E+00	0.00E+00	6.39E+02	0.00E+00	5.10E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-01	0.00E+00	9.53E-01	MND
NRPR _M [MJ]	2.90E+01	0.00E+00	5.81E-01	0.00E+00	0.00E+00	0.00E+00	1.18E+02	0.00E+00	MND						
NRPR _T [MJ]	1.50E+02	2.62E+00	3.48E+00	0.00E+00	6.39E+02	0.00E+00	6.28E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-01	0.00E+00	9.53E-01	MND
SM [kg]	3.82E-02	0.00E+00	7.64E-04	0.00E+00	0.00E+00	0.00E+00	1.56E-01	0.00E+00	MND						
RSF [MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
NRSF [MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
RE [MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
FW [m³]	3.32E-02	3.58E-04	7.88E-04	0.00E+00	2.59E-01	0.00E+00	1.38E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.05E-05	0.00E+00	1.18E-04	MND
Output Flows and Waste	Categorie	s													
HWD [kg]	1.82E-06	7.54E-12	3.64E-08	0.00E+00	-6.61E-09	0.00E+00	7.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-12	0.00E+00	2.38E-11	MND
NHWD [kg]	5.55E-01	2.28E-04	7.93E-02	0.00E+00	2.62E-01	0.00E+00	1.39E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-05	0.00E+00	2.84E+00	MND
HLRW [kg]	7.60E-06	8.92E-09	1.60E-07	0.00E+00	7.17E-05	0.00E+00	3.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-09	0.00E+00	1.18E-08	MND
ILLRW [kg]	6.53E-03	7.51E-06	1.38E-04	0.00E+00	5.99E-02	0.00E+00	2.67E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-06	0.00E+00	1.05E-05	MND
CRU [kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
MR [kg]	0.00E+00	0.00E+00	1.01E-01	0.00E+00	0.00E+00	0.00E+00	4.03E-01	0.00E+00	MND						
MER [kg]	0.00E+00	0.00E+00	3.52E-03	0.00E+00	0.00E+00	0.00E+00	1.41E-02	0.00E+00	MND						
EEE [MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
EET [MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND



J+J Flooring Nexus® Modular Carpet Tile - Encore® 100 Nylon Middle Results (26oz face weight)

Table 32: LCIA results for Nexus® Modular Tile, per one square meter of installed flooring.

Impact Category	A1-A3	A4	A5	В1	В2	В3	В4	В5	В6	В7	C1	C2	C3	C4	D
IPCC AR5															
GWPi [kg CO₂ eq]	7.73E+00	2.10E-01	1.99E-01	0.00E+00	3.74E+01	0.00E+00	3.30E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-02	0.00E+00	6.85E-02	MND
GWPe [kg CO₂ eq]	7.79E+00	2.10E-01	1.92E-01	0.00E+00	3.74E+01	0.00E+00	3.32E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-02	0.00E+00	6.87E-02	MND
CML LCIA Impacts (Euro	pe, Rest of	World)													
GWP [kg CO₂ eq]	7.54E+00	2.08E-01	1.92E-01	0.00E+00	3.67E+01	0.00E+00	3.22E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-02	0.00E+00	6.71E-02	MND
ODP [kg CFC 11 eq]	8.27E-09	3.00E-14	1.65E-10	0.00E+00	2.07E-10	0.00E+00	3.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-15	0.00E+00	1.83E-13	MND
AP [kg SO₂ eq]	7.93E-03	6.95E-04	2.22E-04	0.00E+00	4.92E-02	0.00E+00	3.71E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-05	0.00E+00	3.33E-04	MND
EP [kg Phosphate eq]	1.53E-03	2.03E-04	6.17E-05	0.00E+00	7.20E-03	0.00E+00	9.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-05	0.00E+00	6.10E-04	MND
POCP [kg Ethene eq]	1.21E-03	-2.58E-04	2.73E-05	0.00E+00	4.06E-03	0.00E+00	3.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-2.93E-05	0.00E+00	2.51E-05	MND
ADPE [kg Sb eq]	1.50E-05	1.53E-08	3.57E-07	0.00E+00	3.99E-06	0.00E+00	6.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-09	0.00E+00	2.00E-08	MND
ADPF [MJ]	1.40E+02	2.91E+00	3.28E+00	0.00E+00	4.70E+02	0.00E+00	5.90E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-01	0.00E+00	1.03E+00	MND
TRACI LCIA Impacts (No	rth America	a)													
AP [kg SO₂ eq]	9.18E-03	9.59E-04	2.69E-04	0.00E+00	5.21E-02	0.00E+00	4.35E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	3.53E-04	MND
EP [kg N eq]	9.36E-04	8.50E-05	3.85E-05	0.00E+00	1.07E-02	0.00E+00	6.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05	0.00E+00	4.80E-04	MND
GWP [kg CO₂ eq]	7.53E+00	2.07E-01	1.83E-01	0.00E+00	3.64E+01	0.00E+00	3.21E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-02	0.00E+00	6.68E-02	MND
ODP [kg CFC 11 eq]	8.98E-09	5.37E-16	1.80E-10	0.00E+00	3.72E-12	0.00E+00	3.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-16	0.00E+00	3.28E-15	MND
Resources [MJ]	1.77E+01	3.87E-01	4.20E-01	0.00E+00	4.21E+01	0.00E+00	7.51E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-02	0.00E+00	1.34E-01	MND
POCP [kg O₃ eq]	1.92E-01	2.22E-02	5.17E-03	0.00E+00	7.16E-01	0.00E+00	9.16E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-03	0.00E+00	6.45E-03	MND
Carbon Emissions and U	ptake														
BCRP [kg CO₂]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
BCEP [kg CO₂]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
BCRK [kg CO₂]	1.06E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
BCEK [kg CO₂]	0.00E+00	0.00E+00	1.06E-01	0.00E+00	0.00E+00	0.00E+00	4.23E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
BCEW [kg CO₂]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
CCE [kg CO₂]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
CCR [kg CO₂]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
CWNR [kg CO₂]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND



Table 33: Resource use, waste, and output flow results for Nexus® Modular Tile per one square meter of installed flooring.

Impact Category	A1-A3	A4	A5	В1	B2	В3	В4	B5	В6	В7	C1	C2	C3	C4	D
Resource Use Indicators															
RPR _E [MJ]	1.59E+01	1.17E-01	3.41E-01	0.00E+00	1.46E+02	0.00E+00	6.60E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-02	0.00E+00	1.25E-01	MND
RPR _M [MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
RPR _T [MJ]	1.59E+01	1.17E-01	3.41E-01	0.00E+00	1.46E+02	0.00E+00	6.60E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-02	0.00E+00	1.25E-01	MND
NRPR _E [MJ]	1.33E+02	2.93E+00	3.17E+00	0.00E+00	6.39E+02	0.00E+00	5.65E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-01	0.00E+00	1.07E+00	MND
NRPR _M [MJ]	2.86E+01	0.00E+00	5.72E-01	0.00E+00	0.00E+00	0.00E+00	1.17E+02	0.00E+00	MND						
NRPR _T [MJ]	1.62E+02	2.93E+00	3.74E+00	0.00E+00	6.39E+02	0.00E+00	6.81E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-01	0.00E+00	1.07E+00	MND
SM [kg]	3.82E-02	0.00E+00	7.64E-04	0.00E+00	0.00E+00	0.00E+00	1.56E-01	0.00E+00	MND						
RSF [MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
NRSF [MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
RE [MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
FW [m³]	3.76E-02	4.00E-04	8.77E-04	0.00E+00	2.59E-01	0.00E+00	1.56E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-05	0.00E+00	1.32E-04	MND
Output Flows and Waste	Categorie	s													
HWD [kg]	1.80E-06	8.42E-12	3.60E-08	0.00E+00	-6.61E-09	0.00E+00	7.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-12	0.00E+00	2.66E-11	MND
NHWD [kg]	6.61E-01	2.55E-04	8.82E-02	0.00E+00	2.62E-01	0.00E+00	1.57E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-05	0.00E+00	3.17E+00	MND
HLRW [kg]	9.19E-06	9.96E-09	1.92E-07	0.00E+00	7.17E-05	0.00E+00	3.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-09	0.00E+00	1.32E-08	MND
ILLRW [kg]	7.95E-03	8.39E-06	1.66E-04	0.00E+00	5.99E-02	0.00E+00	3.26E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-06	0.00E+00	1.18E-05	MND
CRU [kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
MR [kg]	0.00E+00	0.00E+00	1.01E-01	0.00E+00	0.00E+00	0.00E+00	4.03E-01	0.00E+00	MND						
MER [kg]	0.00E+00	0.00E+00	3.52E-03	0.00E+00	0.00E+00	0.00E+00	1.41E-02	0.00E+00	MND						
EEE [MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
EET [MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND



J+J Flooring Nexus® Modular Carpet Tile - Encore® 100 Nylon Maximum Results (36 oz face weight)

Table 34: LCIA results for Nexus® Modular Tile, per one square meter of installed flooring.

Impact Category	A1-A3	A4	A5	В1	В2	В3	В4	B5	В6	В7	C1	C2	C3	C4	D
IPCC AR5															
GWPi [kg CO₂ eq]	8.49E+00	2.32E-01	2.15E-01	0.00E+00	3.74E+01	0.00E+00	3.62E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-02	0.00E+00	7.58E-02	MND
GWPe [kg CO₂ eq]	8.55E+00	2.32E-01	2.08E-01	0.00E+00	3.74E+01	0.00E+00	3.65E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-02	0.00E+00	7.61E-02	MND
CML LCIA Impacts (Euro	pe, Rest of	World)													
GWP [kg CO₂ eq]	8.28E+00	2.30E-01	2.08E-01	0.00E+00	3.67E+01	0.00E+00	3.54E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-02	0.00E+00	7.42E-02	MND
ODP [kg CFC 11 eq]	8.20E-09	3.31E-14	1.64E-10	0.00E+00	2.07E-10	0.00E+00	3.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-15	0.00E+00	2.03E-13	MND
AP [kg SO₂ eq]	8.65E-03	7.68E-04	2.39E-04	0.00E+00	4.92E-02	0.00E+00	4.05E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-05	0.00E+00	3.68E-04	MND
EP [kg Phosphate eq]	1.64E-03	2.24E-04	6.58E-05	0.00E+00	7.20E-03	0.00E+00	1.06E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-05	0.00E+00	6.74E-04	MND
POCP [kg Ethene eq]	1.26E-03	-2.85E-04	2.78E-05	0.00E+00	4.06E-03	0.00E+00	4.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-3.24E-05	0.00E+00	2.77E-05	MND
ADPE [kg Sb eq]	1.50E-05	1.69E-08	3.56E-07	0.00E+00	3.99E-06	0.00E+00	6.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-09	0.00E+00	2.21E-08	MND
ADPF [MJ]	1.48E+02	3.21E+00	3.46E+00	0.00E+00	4.70E+02	0.00E+00	6.27E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.34E-01	0.00E+00	1.14E+00	MND
TRACI LCIA Impacts (No	rth America	a)													
AP [kg SO₂ eq]	9.99E-03	1.06E-03	2.88E-04	0.00E+00	5.21E-02	0.00E+00	4.74E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	3.91E-04	MND
EP [kg N eq]	1.04E-03	9.39E-05	4.17E-05	0.00E+00	1.07E-02	0.00E+00	6.86E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05	0.00E+00	5.31E-04	MND
GWP [kg CO₂ eq]	8.27E+00	2.29E-01	1.98E-01	0.00E+00	3.64E+01	0.00E+00	3.53E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-02	0.00E+00	7.39E-02	MND
ODP [kg CFC 11 eq]	8.90E-09	5.93E-16	1.78E-10	0.00E+00	3.72E-12	0.00E+00	3.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-16	0.00E+00	3.62E-15	MND
Resources [MJ]	1.86E+01	4.28E-01	4.38E-01	0.00E+00	4.21E+01	0.00E+00	7.89E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.45E-02	0.00E+00	1.48E-01	MND
POCP [kg O₃ eq]	2.06E-01	2.45E-02	5.51E-03	0.00E+00	7.16E-01	0.00E+00	9.86E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-03	0.00E+00	7.13E-03	MND
Carbon Emissions and U	ptake														
BCRP [kg CO₂]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
BCEP [kg CO₂]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
BCRK [kg CO₂]	1.06E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
BCEK [kg CO₂]	0.00E+00	0.00E+00	1.06E-01	0.00E+00	0.00E+00	0.00E+00	4.23E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
BCEW [kg CO₂]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
CCE [kg CO₂]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
CCR [kg CO₂]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
CWNR [kg CO₂]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND



Table 35: Resource use, waste, and output flow results for Nexus® Modular Tile per one square meter of installed flooring.

Impact Category	A1-A3	A4	A5	В1	B2	В3	В4	B5	В6	В7	C1	C2	C3	C4	D
Resource Use Indicators															
RPR _E [MJ]	1.86E+01	1.29E-01	3.96E-01	0.00E+00	1.46E+02	0.00E+00	7.72E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-02	0.00E+00	1.38E-01	MND
RPR _M [MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
RPR _T [MJ]	1.86E+01	1.29E-01	3.96E-01	0.00E+00	1.46E+02	0.00E+00	7.72E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-02	0.00E+00	1.38E-01	MND
NRPR _E [MJ]	1.46E+02	3.23E+00	3.44E+00	0.00E+00	6.39E+02	0.00E+00	6.19E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-01	0.00E+00	1.18E+00	MND
NRPR _M [MJ]	2.83E+01	0.00E+00	5.67E-01	0.00E+00	0.00E+00	0.00E+00	1.16E+02	0.00E+00	MND						
NRPR _T [MJ]	1.75E+02	3.23E+00	4.01E+00	0.00E+00	6.39E+02	0.00E+00	7.35E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-01	0.00E+00	1.18E+00	MND
SM [kg]	3.82E-02	0.00E+00	7.64E-04	0.00E+00	0.00E+00	0.00E+00	1.56E-01	0.00E+00	MND						
RSF [MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
NRSF [MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
RE [MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
FW [m³]	4.19E-02	4.42E-04	9.65E-04	0.00E+00	2.59E-01	0.00E+00	1.74E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-05	0.00E+00	1.46E-04	MND
Output Flows and Waste	Categorie	s													
HWD [kg]	1.78E-06	9.30E-12	3.57E-08	0.00E+00	-6.61E-09	0.00E+00	7.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-12	0.00E+00	2.94E-11	MND
NHWD [kg]	7.65E-01	2.81E-04	9.70E-02	0.00E+00	2.62E-01	0.00E+00	1.75E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-05	0.00E+00	3.51E+00	MND
HLRW [kg]	1.08E-05	1.10E-08	2.24E-07	0.00E+00	7.17E-05	0.00E+00	4.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-09	0.00E+00	1.46E-08	MND
ILLRW [kg]	9.36E-03	9.26E-06	1.94E-04	0.00E+00	5.99E-02	0.00E+00	3.83E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-06	0.00E+00	1.31E-05	MND
CRU [kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
MR [kg]	0.00E+00	0.00E+00	1.01E-01	0.00E+00	0.00E+00	0.00E+00	4.03E-01	0.00E+00	MND						
MER [kg]	0.00E+00	0.00E+00	3.52E-03	0.00E+00	0.00E+00	0.00E+00	1.41E-02	0.00E+00	MND						
EEE [MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
EET [MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND



J+J Flooring Nexus® Modular Carpet Tile - TeraPlex® SD PET Minimum Results (16 oz face weight)

Table 36: LCIA results for Nexus® Modular Tile, per one square meter of installed flooring.

Impact Category	A1-A3	A4	A5	В1	В2	В3	В4	В5	В6	В7	C1	C2	C3	C4	D
IPCC AR5															
GWPi [kg CO₂ eq]	9.79E+00	1.88E-01	2.39E-01	0.00E+00	3.74E+01	0.00E+00	4.12E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-02	0.00E+00	6.12E-02	MND
GWPe [kg CO₂ eq]	9.85E+00	1.88E-01	2.33E-01	0.00E+00	3.74E+01	0.00E+00	4.15E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-02	0.00E+00	6.14E-02	MND
CML LCIA Impacts (Euro	CML LCIA Impacts (Europe, Rest of World)														
GWP [kg CO₂ eq]	9.53E+00	1.86E-01	2.31E-01	0.00E+00	3.67E+01	0.00E+00	4.02E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-02	0.00E+00	5.99E-02	MND
ODP [kg CFC 11 eq]	8.36E-09	2.69E-14	1.67E-10	0.00E+00	2.07E-10	0.00E+00	3.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-15	0.00E+00	1.64E-13	MND
AP [kg SO₂ eq]	9.40E-03	6.23E-04	2.49E-04	0.00E+00	4.92E-02	0.00E+00	4.26E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-05	0.00E+00	2.97E-04	MND
EP [kg Phosphate eq]	1.95E-03	1.82E-04	6.84E-05	0.00E+00	7.20E-03	0.00E+00	1.11E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-05	0.00E+00	5.45E-04	MND
POCP [kg Ethene eq]	1.57E-03	-2.31E-04	3.51E-05	0.00E+00	4.06E-03	0.00E+00	5.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-2.62E-05	0.00E+00	2.24E-05	MND
ADPE [kg Sb eq]	1.55E-05	1.37E-08	3.67E-07	0.00E+00	3.99E-06	0.00E+00	6.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-09	0.00E+00	1.79E-08	MND
ADPF [MJ]	1.91E+02	2.60E+00	4.30E+00	0.00E+00	4.70E+02	0.00E+00	7.98E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-01	0.00E+00	9.23E-01	MND
TRACI LCIA Impacts (North America)															
AP [kg SO₂ eq]	1.10E-02	8.59E-04	3.02E-04	0.00E+00	5.21E-02	0.00E+00	5.03E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	3.16E-04	MND
EP [kg N eq]	1.09E-03	7.61E-05	4.03E-05	0.00E+00	1.07E-02	0.00E+00	6.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05	0.00E+00	4.29E-04	MND
GWP [kg CO₂ eq]	9.51E+00	1.86E-01	2.22E-01	0.00E+00	3.64E+01	0.00E+00	4.00E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-02	0.00E+00	5.97E-02	MND
ODP [kg CFC 11 eq]	9.08E-09	4.81E-16	1.82E-10	0.00E+00	3.72E-12	0.00E+00	3.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.47E-17	0.00E+00	2.93E-15	MND
Resources [MJ]	2.46E+01	3.47E-01	5.55E-01	0.00E+00	4.21E+01	0.00E+00	1.03E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-02	0.00E+00	1.20E-01	MND
POCP [kg O₃ eq]	2.44E-01	1.99E-02	6.13E-03	0.00E+00	7.16E-01	0.00E+00	1.11E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-03	0.00E+00	5.76E-03	MND
Carbon Emissions and U	ptake														
BCRP [kg CO₂]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
BCEP [kg CO₂]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
BCRK [kg CO₂]	1.06E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
BCEK [kg CO₂]	0.00E+00	0.00E+00	1.06E-01	0.00E+00	0.00E+00	0.00E+00	4.23E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
BCEW [kg CO₂]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
CCE [kg CO₂]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
CCR [kg CO₂]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
CWNR [kg CO₂]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND



Table 37: Resource use, waste, and output flow results for Nexus® Modular Tile per one square meter of installed flooring.

Impact Category	A1-A3	A4	A5	В1	В2	В3	В4	В5	В6	В7	C1	C2	C3	C4	D
Resource Use Indicators															
RPR _E [MJ]	1.65E+01	1.04E-01	3.52E-01	0.00E+00	1.46E+02	0.00E+00	6.82E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-02	0.00E+00	1.12E-01	MND
RPR _M [MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
RPR _T [MJ]	1.65E+01	1.04E-01	3.52E-01	0.00E+00	1.46E+02	0.00E+00	6.82E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-02	0.00E+00	1.12E-01	MND
NRPR _E [MJ]	1.73E+02	2.62E+00	3.95E+00	0.00E+00	6.39E+02	0.00E+00	7.23E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-01	0.00E+00	9.53E-01	MND
NRPR _M [MJ]	4.41E+01	0.00E+00	8.82E-01	0.00E+00	0.00E+00	0.00E+00	1.80E+02	0.00E+00	MND						
NRPR _T [MJ]	2.17E+02	2.62E+00	4.83E+00	0.00E+00	6.39E+02	0.00E+00	9.03E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-01	0.00E+00	9.53E-01	MND
SM [kg]	3.82E-02	0.00E+00	7.64E-04	0.00E+00	0.00E+00	0.00E+00	1.56E-01	0.00E+00	MND						
RSF [MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
NRSF [MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
RE [MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
FW [m³]	0.00E+00	0.00E+00	3.77E-06	0.00E+00	0.00E+00	0.00E+00	7.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.05E-05	0.00E+00	1.18E-04	MND
Output Flows and Waste	e Categorie	s													
HWD [kg]	0.00E+00	0.00E+00	5.05E-13	0.00E+00	0.00E+00	0.00E+00	1.03E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-12	0.00E+00	2.38E-11	MND
NHWD [kg]	0.00E+00	0.00E+00	5.67E-02	0.00E+00	0.00E+00	0.00E+00	1.16E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-05	0.00E+00	2.84E+00	MND
HLRW [kg]	0.00E+00	0.00E+00	2.71E-10	0.00E+00	0.00E+00	0.00E+00	5.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-09	0.00E+00	1.18E-08	MND
ILLRW [kg]	0.00E+00	0.00E+00	2.40E-07	0.00E+00	0.00E+00	0.00E+00	4.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-06	0.00E+00	1.05E-05	MND
CRU [kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
MR [kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
MER [kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
EEE [MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
EET [MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND



J+J Flooring Nexus® Modular Carpet Tile - TeraPlex® SD PET Middle Results (26oz face weight)

Table 38: LCIA results for Nexus® Modular Tile, per one square meter of installed flooring.

Impact Category	A1-A3	A4	A5	В1	В2	В3	В4	В5	В6	В7	C1	C2	C3	C4	D
IPCC AR5															
GWPi [kg CO₂ eq]	1.21E+01	2.10E-01	2.86E-01	0.00E+00	3.74E+01	0.00E+00	5.08E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-02	0.00E+00	6.85E-02	MND
GWPe [kg CO₂ eq]	1.22E+01	2.10E-01	2.80E-01	0.00E+00	3.74E+01	0.00E+00	5.10E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-02	0.00E+00	6.87E-02	MND
CML LCIA Impacts (Euro	pe, Rest of	World)													
GWP [kg CO₂ eq]	1.18E+01	2.08E-01	2.77E-01	0.00E+00	3.67E+01	0.00E+00	4.95E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-02	0.00E+00	6.71E-02	MND
ODP [kg CFC 11 eq]	8.28E-09	3.00E-14	1.66E-10	0.00E+00	2.07E-10	0.00E+00	3.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-15	0.00E+00	1.83E-13	MND
AP [kg SO₂ eq]	1.13E-02	6.95E-04	2.90E-04	0.00E+00	4.92E-02	0.00E+00	5.09E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-05	0.00E+00	3.33E-04	MND
EP [kg Phosphate eq]	2.37E-03	2.03E-04	7.86E-05	0.00E+00	7.20E-03	0.00E+00	1.32E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-05	0.00E+00	6.10E-04	MND
POCP [kg Ethene eq]	1.85E-03	-2.58E-04	4.02E-05	0.00E+00	4.06E-03	0.00E+00	6.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-2.93E-05	0.00E+00	2.51E-05	MND
ADPE [kg Sb eq]	1.57E-05	1.53E-08	3.71E-07	0.00E+00	3.99E-06	0.00E+00	6.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-09	0.00E+00	2.00E-08	MND
ADPF [MJ]	2.33E+02	2.91E+00	5.14E+00	0.00E+00	4.70E+02	0.00E+00	9.70E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-01	0.00E+00	1.03E+00	MND
TRACI LCIA Impacts (North America)															
AP [kg SO₂ eq]	1.32E-02	9.59E-04	3.50E-04	0.00E+00	5.21E-02	0.00E+00	6.01E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	3.53E-04	MND
EP [kg N eq]	1.33E-03	8.50E-05	4.64E-05	0.00E+00	1.07E-02	0.00E+00	7.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05	0.00E+00	4.80E-04	MND
GWP [kg CO₂ eq]	1.17E+01	2.07E-01	2.67E-01	0.00E+00	3.64E+01	0.00E+00	4.93E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-02	0.00E+00	6.68E-02	MND
ODP [kg CFC 11 eq]	8.98E-09	5.37E-16	1.80E-10	0.00E+00	3.72E-12	0.00E+00	3.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-16	0.00E+00	3.28E-15	MND
Resources [MJ]	2.96E+01	3.87E-01	6.57E-01	0.00E+00	4.21E+01	0.00E+00	1.24E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-02	0.00E+00	1.34E-01	MND
POCP [kg O₃ eq]	2.93E-01	2.22E-02	7.19E-03	0.00E+00	7.16E-01	0.00E+00	1.33E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-03	0.00E+00	6.45E-03	MND
Carbon Emissions and U	ptake														
BCRP [kg CO₂]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
BCEP [kg CO₂]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
BCRK [kg CO₂]	1.06E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
BCEK [kg CO₂]	0.00E+00	0.00E+00	1.06E-01	0.00E+00	0.00E+00	0.00E+00	4.23E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
BCEW [kg CO₂]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
CCE [kg CO₂]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
CCR [kg CO₂]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
CWNR [kg CO₂]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND



Table 39: Resource use, waste, and output flow results for Nexus® Modular Tile per one square meter of installed flooring.

Impact Category	A1-A3	A4	A5	В1	В2	В3	В4	В5	В6	В7	C1	C2	C3	C4	D
Resource Use Indicators															
RPR _E [MJ]	2.10E+01	1.17E-01	4.44E-01	0.00E+00	1.46E+02	0.00E+00	8.70E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-02	0.00E+00	1.25E-01	MND
RPR _M [MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
RPR _T [MJ]	2.10E+01	1.17E-01	4.44E-01	0.00E+00	1.46E+02	0.00E+00	8.70E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-02	0.00E+00	1.25E-01	MND
NRPR _E [MJ]	2.14E+02	2.93E+00	4.79E+00	0.00E+00	6.39E+02	0.00E+00	8.95E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-01	0.00E+00	1.07E+00	MND
NRPR _M [MJ]	5.20E+01	0.00E+00	1.04E+00	0.00E+00	0.00E+00	0.00E+00	2.12E+02	0.00E+00	MND						
NRPR _T [MJ]	2.66E+02	2.93E+00	5.83E+00	0.00E+00	6.39E+02	0.00E+00	1.11E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-01	0.00E+00	1.07E+00	MND
SM [kg]	3.82E-02	0.00E+00	7.64E-04	0.00E+00	0.00E+00	0.00E+00	1.56E-01	0.00E+00	MND						
RSF [MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
NRSF [MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
RE [MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
FW [m³]	7.09E-02	4.00E-04	1.54E-03	0.00E+00	2.59E-01	0.00E+00	2.92E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-05	0.00E+00	1.32E-04	MND
Output Flows and Waste	e Categorie	s													
HWD [kg]	1.80E-06	8.42E-12	3.61E-08	0.00E+00	-6.61E-09	0.00E+00	7.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-12	0.00E+00	2.66E-11	MND
NHWD [kg]	5.34E-01	2.55E-04	8.56E-02	0.00E+00	2.62E-01	0.00E+00	1.52E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-05	0.00E+00	3.17E+00	MND
HLRW [kg]	1.43E-05	9.96E-09	2.94E-07	0.00E+00	7.17E-05	0.00E+00	5.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-09	0.00E+00	1.32E-08	MND
ILLRW [kg]	1.20E-02	8.39E-06	2.46E-04	0.00E+00	5.99E-02	0.00E+00	4.89E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-06	0.00E+00	1.18E-05	MND
CRU [kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
MR [kg]	0.00E+00	0.00E+00	1.01E-01	0.00E+00	0.00E+00	0.00E+00	4.03E-01	0.00E+00	MND						
MER [kg]	0.00E+00	0.00E+00	3.52E-03	0.00E+00	0.00E+00	0.00E+00	1.41E-02	0.00E+00	MND						
EEE [MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
EET [MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND



J+J Flooring Nexus® Modular Carpet Tile - TeraPlex® SD PET Maximum Results (36oz face weight)

Table 40: LCIA results for Nexus® Modular Tile, per one square meter of installed flooring.

Impact Category	A1-A3	A4	A5	В1	В2	В3	В4	В5	В6	В7	C1	C2	C3	C4	D
IPCC AR5															
GWPi [kg CO₂ eq]	1.44E+01	2.32E-01	3.33E-01	0.00E+00	3.74E+01	0.00E+00	6.03E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-02	0.00E+00	7.58E-02	MND
GWPe [kg CO₂ eq]	1.44E+01	2.32E-01	3.26E-01	0.00E+00	3.74E+01	0.00E+00	6.05E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-02	0.00E+00	7.61E-02	MND
CML LCIA Impacts (Euro	CML LCIA Impacts (Europe, Rest of World)														
GWP [kg CO₂ eq]	1.40E+01	2.30E-01	3.22E-01	0.00E+00	3.67E+01	0.00E+00	5.88E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-02	0.00E+00	7.42E-02	MND
ODP [kg CFC 11 eq]	8.21E-09	3.31E-14	1.64E-10	0.00E+00	2.07E-10	0.00E+00	3.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-15	0.00E+00	2.03E-13	MND
AP [kg SO₂ eq]	1.32E-02	7.68E-04	3.30E-04	0.00E+00	4.92E-02	0.00E+00	5.91E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-05	0.00E+00	3.68E-04	MND
EP [kg Phosphate eq]	2.79E-03	2.24E-04	8.87E-05	0.00E+00	7.20E-03	0.00E+00	1.52E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-05	0.00E+00	6.74E-04	MND
POCP [kg Ethene eq]	2.13E-03	-2.85E-04	4.53E-05	0.00E+00	4.06E-03	0.00E+00	7.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-3.24E-05	0.00E+00	2.77E-05	MND
ADPE [kg Sb eq]	1.59E-05	1.69E-08	3.75E-07	0.00E+00	3.99E-06	0.00E+00	6.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-09	0.00E+00	2.21E-08	MND
ADPF [MJ]	2.74E+02	3.21E+00	5.97E+00	0.00E+00	4.70E+02	0.00E+00	1.14E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.34E-01	0.00E+00	1.14E+00	MND
TRACI LCIA Impacts (North America)															
AP [kg SO₂ eq]	1.55E-02	1.06E-03	3.98E-04	0.00E+00	5.21E-02	0.00E+00	6.97E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	3.91E-04	MND
EP [kg N eq]	1.57E-03	9.39E-05	5.23E-05	0.00E+00	1.07E-02	0.00E+00	9.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05	0.00E+00	5.31E-04	MND
GWP [kg CO₂ eq]	1.40E+01	2.29E-01	3.12E-01	0.00E+00	3.64E+01	0.00E+00	5.84E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-02	0.00E+00	7.39E-02	MND
ODP [kg CFC 11 eq]	8.90E-09	5.93E-16	1.78E-10	0.00E+00	3.72E-12	0.00E+00	3.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-16	0.00E+00	3.62E-15	MND
Resources [MJ]	3.47E+01	4.28E-01	7.59E-01	0.00E+00	4.21E+01	0.00E+00	1.44E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.45E-02	0.00E+00	1.48E-01	MND
POCP [kg O₃ eq]	3.42E-01	2.45E-02	8.23E-03	0.00E+00	7.16E-01	0.00E+00	1.54E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-03	0.00E+00	7.13E-03	MND
Carbon Emissions and U	ptake														
BCRP [kg CO₂]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
BCEP [kg CO₂]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
BCRK [kg CO₂]	1.06E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
BCEK [kg CO₂]	0.00E+00	0.00E+00	1.06E-01	0.00E+00	0.00E+00	0.00E+00	4.23E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
BCEW [kg CO₂]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
CCE [kg CO₂]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
CCR [kg CO₂]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
CWNR [kg CO₂]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND



Table 41: Resource use, waste, and output flow results for Nexus® Modular Tile per one square meter of installed flooring.

Impact Category	A1-A3	A4	A5	B1	B2	В3	B4	В5	В6	В7	C1	C2	C3	C4	D
Resource Use Indicators															
RPR _E [MJ]	2.55E+01	1.29E-01	5.34E-01	0.00E+00	1.46E+02	0.00E+00	1.05E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-02	0.00E+00	1.38E-01	MND
RPR _M [MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
RPR _T [MJ]	2.55E+01	1.29E-01	5.34E-01	0.00E+00	1.46E+02	0.00E+00	1.05E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-02	0.00E+00	1.38E-01	MND
NRPR _E [MJ]	2.56E+02	3.23E+00	5.62E+00	0.00E+00	6.39E+02	0.00E+00	1.07E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-01	0.00E+00	1.18E+00	MND
NRPR _M [MJ]	5.99E+01	0.00E+00	1.20E+00	0.00E+00	0.00E+00	0.00E+00	2.44E+02	0.00E+00	MND						
NRPR _T [MJ]	3.15E+02	3.23E+00	6.82E+00	0.00E+00	6.39E+02	0.00E+00	1.31E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-01	0.00E+00	1.18E+00	MND
SM [kg]	3.82E-02	0.00E+00	7.64E-04	0.00E+00	0.00E+00	0.00E+00	1.56E-01	0.00E+00	MND						
RSF [MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
NRSF [MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
RE [MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
FW [m³]	8.68E-02	4.42E-04	1.86E-03	0.00E+00	2.59E-01	0.00E+00	3.57E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-05	0.00E+00	1.46E-04	MND
Output Flows and Waste	e Categorie	s													
HWD [kg]	1.79E-06	9.30E-12	3.58E-08	0.00E+00	-6.61E-09	0.00E+00	7.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-12	0.00E+00	2.94E-11	MND
NHWD [kg]	5.94E-01	2.81E-04	9.36E-02	0.00E+00	2.62E-01	0.00E+00	1.68E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-05	0.00E+00	3.51E+00	MND
HLRW [kg]	1.76E-05	1.10E-08	3.61E-07	0.00E+00	7.17E-05	0.00E+00	7.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-09	0.00E+00	1.46E-08	MND
ILLRW [kg]	1.48E-02	9.26E-06	3.02E-04	0.00E+00	5.99E-02	0.00E+00	6.03E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-06	0.00E+00	1.31E-05	MND
CRU [kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
MR [kg]	0.00E+00	0.00E+00	1.01E-01	0.00E+00	0.00E+00	0.00E+00	4.03E-01	0.00E+00	MND						
MER [kg]	0.00E+00	0.00E+00	3.52E-03	0.00E+00	0.00E+00	0.00E+00	1.41E-02	0.00E+00	MND						
EEE [MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND
EET [MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	MND

