

# Environmental Product Declaration Type III ITB No. 112/2020

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## EASY SPACE, CS5040, EMODEL, PLAY&WORK, LEVITATE DESKS AND TABLES

### BASIC INFORMATION

This declaration is the type III Environmental Product Declaration (EPD) based on ISO 14040 and ISO 14025. It contains the information on the impacts of the declared product on the environment. Their aspects were verified by the independent body according to ISO 14025.

#### Life cycle analysis (LCA):

A1-A3, C2-C4 and D modules in accordance with ISO 14040 (Cradle to Gate with options)

#### The year of preparing the EPD:

2020

#### Product standard:

EN 527-1, EN 527-2 (desks), EN 15372 (tables),  
EK5/AK3 methodology (electrical height adjustable desks)

#### Service Life:

5 years for standard product with possibility of 10 years

#### PCR:

ITB-PCR A

#### Declared unit:

1 desk / table

#### Reasons for performing LCA:

B2B

#### Representativeness:

Polish product

ITB is the verified member  
of The European Platform for EPD  
program operators and LCA practitioner  
[www.eco-platform.org](http://www.eco-platform.org)

### Owner of the EPD:

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# 01/MANUFACTURER

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## OUR COMPANY

We are a European manufacturer of furniture solutions for office and public spaces. Our unique business model allows us to provide clients with a comprehensive interior furnishing service, based on an in-depth analysis of the specificity and needs of the client, work efficiency and work organization, ergonomics and acoustics. Thanks to the company's experience as well as technological and production facilities, each offer is made to measure.

An understanding of customers' needs, innovation and an organisational culture open to change has led us to the position of a company in Europe, with sales revenues of over 380 million euro per year. We have our own international distribution network including local sales structure in 16 countries on all major European markets and the Middle East. Hiring local managers and employees, we reach clients adjusting our offer and providing professional service.

# 01/MANUFACTURER

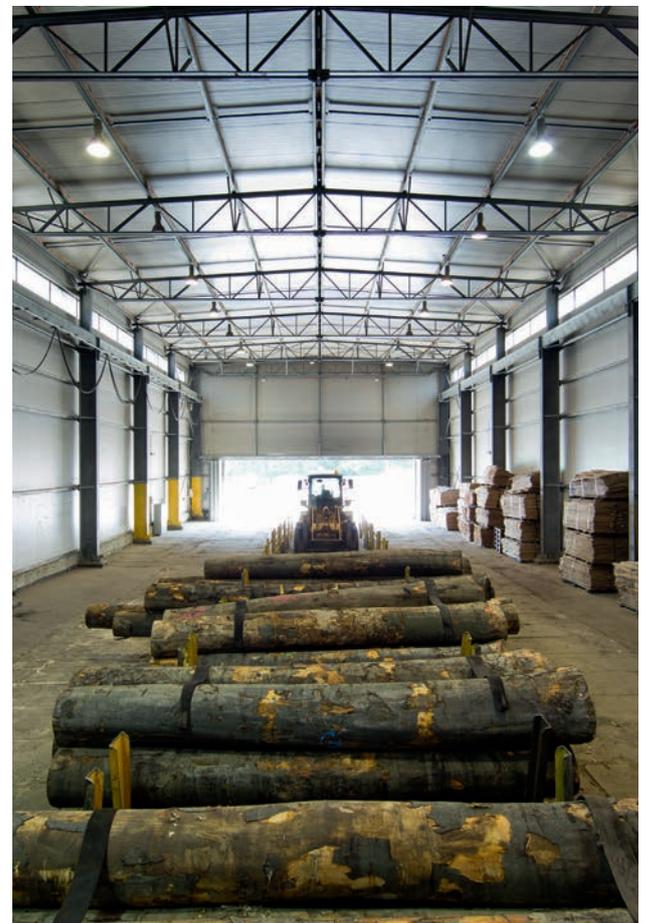
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We provide furniture for new office buildings, conference centres, cinemas, stadiums, music, sports and multi-functional facilities every day. Our list of references includes multinational corporations such as DS Smith, Honeywell, Deloitte and ABB, cultural institutions such as Polish National Radio Symphony Orchestra in Katowice and the Opera in Munich, as well as the stadiums in Poland and France where European Football Championships were held in 2012 and 2016. Fans of the Football World Cup in Qatar in six out of seven stadiums now under construction for the event will also sit in our seats.

We offer a wide product portfolio adjusted to the needs and expectations of our clients. Our furniture solutions and our know-how in arranging modern offices are exhibited in the Office Inspiration Centre in Kraków, where we meet with clients, provide training and share inspiration. We also have 31 showrooms i.a. in Warsaw, London, Paris, Düsseldorf, Munich, Prague, Bratislava and Dubai.

We make our products in more than a dozen manufacturing plants equipped with cutting-edge technologies, located in Poland, Germany, France, Switzerland, Ukraine, Russia and Turkey.



This assessment applies to those located in Poland, in the region of Podkarpacie (4 plants) in Jasło and 1 in Rzepedź, with a floor area of nearly 100,000 m<sup>2</sup>, including a fully automated office furniture factory opened in 2014. The company also owns Research and Development Centre located in Jasło where innovative production technologies and product solutions are constantly developed.

# 02/PRODUCT DESCRIPTION

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## FURNITURE LINES EASY SPACE

Easy Space line consists of desks and conference tables.

### EASY SPACE DESKS

Table top types:

fixed

Table top shapes:

rectangular or L-shape

Table top finish types:

Melamine – melamine faced chipboard, thickness 25mm

Base types:

- Round legs – legs and frame made of steel profiles

- Square legs – legs and frame made of steel profiles

- C- legs with modesty panel – legs and frame made

of steel profiles, panel made of melamine faced chipboard

- C- legs with metal beam – legs and frame made

of steel profiles, beam made of steel sheet

Finish options:

powder coating



### EASY SPACE CONFERENCE TABLES

Table top types:

fixed

Table top shapes:

rectangular, square, ½ circle, round, barrel-shape

Table top finish types:

Melamine – melamine faced chipboard, thickness 25mm

Base types:

- Round legs – legs and frame made of steel profiles

- Square legs – legs and frame made of steel profiles

Finish options:

powder coating



## CERTIFICATES

GS Mark for selected configurations

## APPLICATIONS

Office Workstations, Conference and meeting rooms



# 02/PRODUCT DESCRIPTION

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## FURNITURE LINES CS5040

CS5040 line consists of desks, workbenches, conference tables and high meeting table.

### CS5040 DESKS AND WORKBENCHES

Table top types:

fixed or sliding

Table top finish types:

Melamine – melamine faced chipboard, thickness 25mm

Base types:

- 4-leg – legs and frame made of steel profiles

- A-leg – legs and frame made of steel profiles

Finish options: Powder coating

### CS5440 CONFERENCE TABLES

Table top types:

fixed

Table top finish types:

Melamine – melamine faced chipboard, thickness 25mm

Base types:

- 4-leg – legs and frame made of steel profiles

- A-leg – legs and frame made of steel profiles

Finish options:

powder coating



### CS5440 HIGH MEETING TABLE

Table top types:

fixed

Table top finish types:

Melamine – melamine faced chipboard, thickness 25mm

Base types:

- 4-leg – legs and frame made of steel profiles

- A-leg – legs and frame made of steel profiles

Finish options:

powder coating



## CERTIFICATES

Durability certificate for selected configurations

## APPLICATIONS

Office Workstations, Conference and meeting rooms

# 02/PRODUCT DESCRIPTION

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## FURNITURE LINES EMODEL

eModel line consists of desks, workbenches, conference tables.

### EMODEL DESKS

Table top types:

fixed

Table top finish types:

Melamine – melamine faced chipboard, thickness 25mm

Base types:

- T-leg with fixed height – one-segment columns made of steel profiles
- T-leg with manual height adjustment – 2-segment columns made of steel profiles
- T-leg with electric height adjustment – 3-segment columns made of steel profiles

Frame types:

- Fixed – steel profiles
- Telescopic – steel profiles

Foot types:

- Foot A – steel profile, plastic caps
  - Foot B – steel profile with rounded ends
- Leveling plastic glides or castors with brakes (not applicable to desks with telescopic frame, and desks with manual height adjustment)

Finish options:

powder coating



### EMODEL WORKBENCHES

Table top types:

fixed

Table top finish types:

Melamine – melamine faced chipboard, thickness 25mm

Base types:

- H-leg with fixed height – one-segment columns made of steel profiles
- H-leg with manual height adjustment – 2-segment columns made of steel profiles
- H-leg with electric height adjustment – 3-segment columns made of steel profiles

Frame types:

- Fixed – steel profiles
- Leveling plastic glides

Finish options:

powder coating



# 02/PRODUCT DESCRIPTION

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## FURNITURE LINES EMODEL

eModel line consists of desks, workbenches, conference tables.

### EMODEL CONFERENCE TABLES:

Table top types:

fixed

Table top finish types:

Melamine – melamine faced chipboard, thickness 25mm

Base types:

T-leg with electric height adjustment – 3-segment columns made of steel profiles

Frame types:

- Fixed – steel profiles

- Telescopic – steel profiles

Foot types:

- Foot A – steel profile, plastic caps

- Foot B – steel profile with rounded ends

Leveling plastic glides

Finish options:

powder coating

## CERTIFICATES

Durability certificate for selected configurations

## APPLICATIONS

Office Workstations, Conference and meeting rooms

# 02/PRODUCT DESCRIPTION

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## FURNITURE LINES PLAY&WORK

Play&Work line consists of desks and workbenches.

### PLAY&WORK DESKS

Table top types:

fixed

Table top finish types:

- Melamine – melamine faced chipboard, thickness 25mm
- Laminate – chipboard covered with laminate, thickness 25mm
- Linoleum – plywood covered with linoleum, thickness 25mm

Base types:

- U-legs – legs and frame made of steel profiles, powder coated
- T-legs with fixed height – one-segment columns made of steel profiles
- T-legs with manual height adjustment – 2-segment columns made of steel profiles
- T-legs with electric height adjustment – 3-segment columns made of steel profiles

Foot (for T-legs):

steel profile, leveling glides

Finish options:

powder coating

### PLAY&WORK DESKS FOR INTEGRATION WITH SIDEBOARD

Table top types:

fixed

Table top finish types:

- Melamine – melamine faced chipboard, thickness 25mm
- Laminate – chipboard covered with laminate, thickness 25mm
- Linoleum – plywood covered with linoleum, thickness 25mm

Base types:

U-legs – legs and frame made of steel profiles, powder coated, leveling glides

Finish options:

powder coating



# 02/PRODUCT DESCRIPTION

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## FURNITURE LINES PLAY&WORK

Play&Work line consists of desks and workbenches.

### PLAY&WORK WORKBENCHES

Table top types:

fixed or sliding

Table top finish types:

- Melamine – melamine faced chipboard, thickness 25mm (U-legs and H-legs)
- Laminate – chipboard covered with laminate, thickness 25mm (H-legs)
- Linoleum – plywood covered with linoleum, thickness 25mm (H-legs)

Base types:

- U-legs – legs and frame made of steel profiles, powder coated
- H-legs with manual height adjustment – 2-segment columns made of steel profiles
- H-legs with electric height adjustment – 3-segment columns made of steel profiles

Finish options:

powder coating



### PLAY&WORK DESKS AND WORKBENCHES FOR INTEGRATION WITH CABINETS

Table top types:

fixed

Table top finish types:

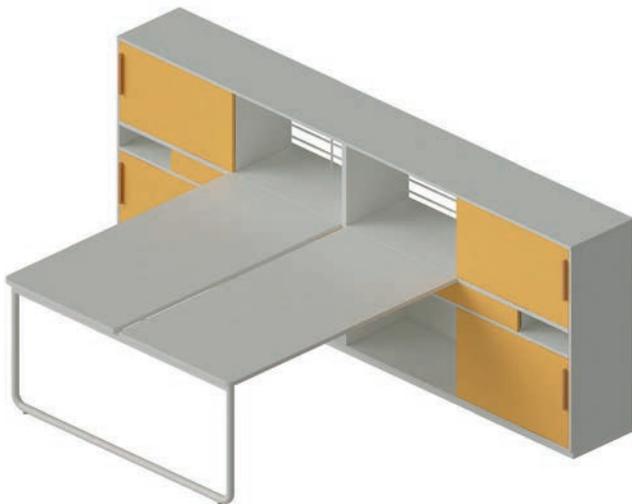
- Melamine – melamine faced chipboard, thickness 25mm

Base types:

- U-legs – legs and frame made of steel profiles, powder coated, leveling glides

Finish options:

powder coating



## CERTIFICATES

GS Mark for selected configurations

## APPLICATIONS

Office Workstations

# 02/PRODUCT DESCRIPTION

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## FURNITURE LINES LEVITATE

Levitate line consists of desks, workbenches, conference tables and high meeting tables.

### LEVITATE DESKS AND WORKBENCHES

Table top types:

fixed or sliding

Table top finish types:

- Melamine – melamine faced chipboard, thickness 25mm
- Laminate – chipboard covered with laminate, thickness 25mm
- Linoleum – plywood covered with linoleum, thickness 25mm

Base types:

A-legs – legs made of solid wood, frame made of steel profiles

Finish options:

Legs – transparent varnish

Frame – powder coating



### LEVITATE CONFERENCE TABLES

Table top types:

fixed

Table top finish types:

- Melamine – melamine faced chipboard, thickness 25mm
- Linoleum – plywood covered with linoleum, thickness 25mm

Base types:

A-legs – legs made of solid wood, frame made of steel profiles

Finish options:

Legs – transparent varnish

Frame – powder coating



### LEVITATE HIGH MEETING TABLES

Table types:

free-standing, modular

Table top types:

fixed

Table top finish types:

- Melamine – melamine faced chipboard, thickness 25mm
- Linoleum – plywood covered with linoleum, thickness 25mm

Base types:

A-legs – legs made of solid wood, frame and foot bar made of steel profiles

Finish options:

Legs – transparent varnish

Frame – powder coating

## CERTIFICATES

Durability certificate for selected configurations

## APPLICATIONS

Office Workstations, Conference and meeting rooms

## GENERAL RULES APPLIED

As shown in the scheme of manufacturing on page 12 Nowy Styl Sp. z o.o. manufactures products in five factories in Poland. Three of them process purchased materials such as metal, plastic and wood into components. Then, the furniture and chair factories use those components, as well as purchased components to assemble products, which are then ready for distribution. Some of the components made in the wood factory are also sold as finished products.

### ALLOCATION

The allocation rules used for this EPD are based on general ITB PCR A. Production of the desks and tables EASY SPACE, CS5040, EMODEL, PLAY&WORK, LEVITATE is a line process carried out in five factories for Nowy Styl Sp. z o.o. located in Krosno and Rzepedź (Poland). Allocation was done on product mass basis. All impacts from raw materials extraction are allocated in A1 module of the LCA. 100% of impacts from the line production of Nowy Styl Sp. z o.o. were inventoried and were allocated to the desks and tables production as follows: EASY SPACE, CS5040, EMODEL, PLAY&WORK, LEVITATE. Utilization of packaging material was taken into consideration. Module A2 includes transport of raw materials such as wood-faced boards (MFC), wood, polymers (PA6, PE, POM, PP), steel elements, papers, additives, ancillary materials and packaging materials from their suppliers to Nowy Styl Sp. z o.o. in Krosno and in Rzepedź. Municipal wastes of factory were allocated to module A3. Energy supply was inventoried for whole factory and was allocated to the of the desks and tables EASY SPACE, CS5040, EMODEL, PLAY&WORK, LEVITATE production. Emissions in the factory are measured and were allocated to module A3.

### SYSTEM LIMITS

The life cycle analysis of the declared products covers "Product Stage", A1-A3, C2, C3, C4 and D modules (Cradle to Gate with options) accordance with ISO 14040 and ITB PCR A. The details of systems limits are provided in product technical report. All materials and energy consumption inventoried in factories and were included in calculation. In the assessment, all significant parameters from gathered production data are considered, i.e. all material used per formulation, utilized thermal energy, internal fuel and electric power consumption, direct production waste, and all available emission measurements. It can be assumed that the total sum of omitted processes does not exceed 5% of all impact categories. Machines and facilities (capital goods) required for and during production are excluded, as is transportation of employees.

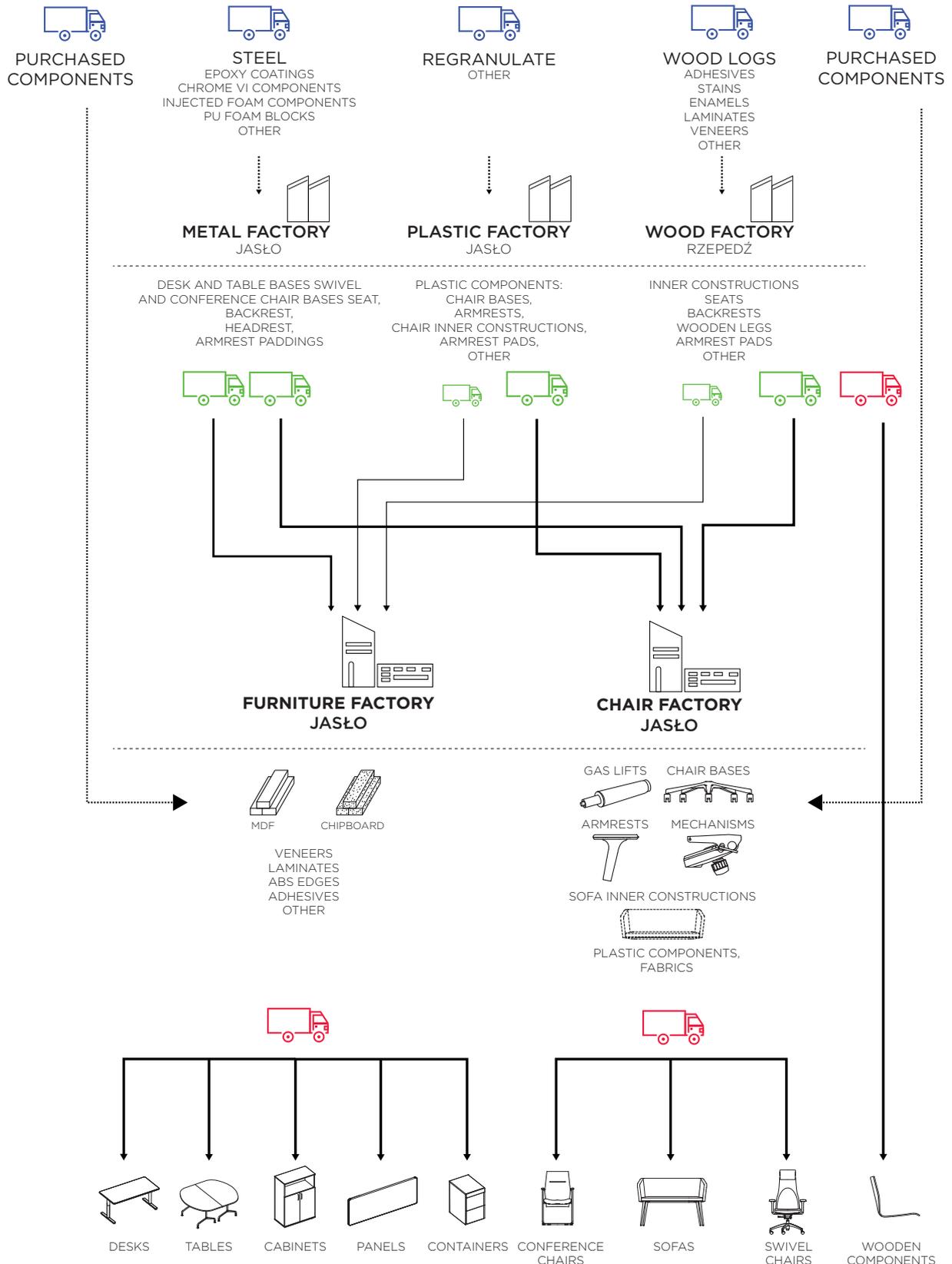
### A1 AND A2 MODULES: RAW MATERIALS SUPPLY AND TRANSPORT

Wood-faced boards (i.a. MFC, MDF, HDF), wood, polymers (i.a. PA6, PE, POM, PP, PS, PTFE, POM), aluminium, steel elements, papers, additives, ancillary materials and packaging materials come from Polish and foreign suppliers. Data on transport of the different products to the manufacturing plants is collected and modelled for factory by assessor. Means of transport include trucks. For calculation purposes Polish and European fuel averages are applied.

# 03/LIFE CYCLE ASSESSMENT (LCA)

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## A3 PRODUCTION



LEGEND:



PURCHASED COMPONENTS



PRODUCED COMPONENTS



SOLD PRODUCTS

# 03/LIFE CYCLE ASSESSMENT (LCA)

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## A3 PRODUCTION

### END OF LIFE SCENARIOS

It is assumed that at the end of life stage, the transport distance for waste to waste processing (C3) is 50 km on > 10t loaded lorry with 50% capacity utilization and fuel consumption of 15 L per 100 km. The declared product is dismantled manually. Selectively recovered materials undergo recycling, energy recovery or landfilling according to Polish treatment practice of industrial waste while residual materials are forwarded to landfill in the form of mixed wastes. The reuse, energy recovery and recycling stage is considered beyond the system boundaries (D).

Table 1 End of life scenarios for the materials

MATERIAL	MATERIAL RECOVERY	ENERGY RECOVERY	RECYCLING	LANDFILLING
POLYMERS	80%	30%	30%	40%
ALUMINIUM	95%	0%	75%	25%
STEEL	95%	0%	100%	0%
WOOD AND WOODEN-BASED COMPONENTS	95%	50%	50%	0%
CARTONBOARD	95%	30%	70%	0%

### DATA COLLECTION PERIOD

The data for manufacture of the declared products refer to period between 01.01.2018 - 31.12.2018 (1 year). The life cycle assessments were prepared for Poland as reference area.

### DATA QUALITY

The values determined to calculate the LCA originate from verified Nowy Styl Sp. z o.o. inventory data.

### ASSUMPTIONS AND ESTIMATES

The impacts of the representative the desks and tables EASY SPACE, CS5040, EMODEL, PLAY&WORK, LEVITATE were aggregated using weighted average. Impacts were inventoried and calculated for all products of the desks and tables EASY SPACE, CS5040, EMODEL, PLAY&WORK, LEVITATE.

### CALCULATION RULES

LCA was done in accordance with ITB PCR A document.

### DATA BASES

The data for the processes come from the following databases: Ecoinvent v.3.5, specific EPDs, ELCD, ÖKOBAUDAT, Ullmann's, ITB-Data. Specific data quality analysis was a part of external ISO 14001 audit.

# 03/LIFE CYCLE ASSESSMENT (LCA)

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## RESULTS

### DECLARED UNIT

The declaration refers to declared unit (DU = 1 desk / table) - EASY SPACE, CS5040, EMODEL, PLAY&WORK, LEVITATE desk and tables lines produced by Nowy Styl Sp. z o.o.

Table 2. System boundaries for the environmental characteristic of EASY SPACE, CS5040, EMODEL, PLAY&WORK, LEVITATE desk and tables lines produced by Nowy Styl Sp. z o.o.

PRODUCT STAGE			CONSTRUCTION PROCESS		USE STAGE							END OF LIFE				BENEFITS AND LOADS BEYOND THE SYSTEM BOUNDARY
Raw material supply	Transport	Manufacturing	Transport to construction site	Construction-installation process	Use	Maintenance	Repair	Replacement	Refurbishment	Operational energy use	Operational water use	Deconstruction demolition	Transport	Waste processing	Disposal	Reuse-recovery-recycling potential
A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
MD	MD	MD	MNA	MNA	MNA	MNA	MNA	MNA	MNA	MNA	MNA	MNA	MD	MD	MD	MD

Environmental assessment information

(MNA - Module not assessed, MD - Module Declared, INA - Indicator Not Assessed)

# 03/LIFE CYCLE ASSESSMENT (LCA)

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## RESULTS

EASY SPACE					
Environmental impacts: (DU) 1 desk / table (weight: 56,9 kg*)					
IMPACT CATEGORIES	UNIT	A1	A2	A3	A1-A3
Global warming potential	[kg CO <sub>2</sub> eq.]	5.15E+00	1.91E+00	1.84E+01	2.55E+01
Depletion potential of the stratospheric ozone layer	[kg CFC 11 eq.]	1.20E-06	0.00E+00	0.00E+00	1.20E-06
Acidification potential of soil and water	[kg SO <sub>2</sub> eq.]	1.90E-01	1.43E-02	3.26E-03	2.07E-01
Formation potential of tropospheric ozone	[kg Ethene eq.]	5.79E-02	1.01E-03	2.15E-03	6.11E-02
Eutrophication potential	[kg (PO <sub>4</sub> ) <sup>3-</sup> eq.]	6.95E-02	2.82E-04	5.44E-04	7.03E-02
Abiotic depletion potential (ADP-elements) for non-fossil resources	[kg Sb eq.]	3.16E-03	0.00E+00	6.83E-05	3.23E-03
Abiotic depletion potential (ADP-fossil fuels) for fossil resources	[MJ]	7.56E+02	3.14E+01	1.31E+02	9.18E+02
Environmental aspects on resource use: (DU) 1 desk / table (weight: 56,9 kg*)					
ASPETCS	Unit	A1	A2	A3	A1-A3
Use of renewable primary energy excluding renewable primary energy resources used as raw materials	[MJ]	INA	INA	INA	INA
Use of renewable primary energy resources used as raw materials	[MJ]	INA	INA	INA	INA
Total use of renewable primary energy resources (primary energy and primary energy resources used as raw material)	[MJ]	7.86E+02	2.20E+00	8.46E+00	7.96E+02
Use of non-renewable primary energy excluding non-renewable primary energy resources used as raw materials	[MJ]	INA	INA	INA	INA
Use of non-renewable primary energy resources used as raw materials	[MJ]	INA	INA	INA	INA
Total use of non renewable primary energy resources (primary energy and primary energy resources used as raw material)	[MJ]	8.46E+02	3.30E+01	1.38E+02	1.02E+03
Use of secondary material	[kg]	1.51E+01	0.00E+00	0.00E+00	1.51E+01
Use of renewable secondary fuels	[MJ]	2.54E-01	1.65E+00	0.00E+00	1.90E+00
Use of non-renewable secondary fuels	[MJ]	6.13E-02	0.00E+00	0.00E+00	6.13E-02
Use of net fresh water	[m <sup>3</sup> ]	INA	INA	INA	INA
Other environmental information describing waste categories: (DU) 1 desk / table (weight: 56,9 kg*)					
WASTES	Unit	A1	A2	A3	A1-A3
Hazardous waste disposed [kg]	[kg]	1.30E-02	4.67E-05	8.79E-02	1.01E-01
Non-hazardous waste disposed [kg]	[kg]	2.75E+00	4.34E-02	1.90E-01	2.99E+00
Radioactive waste disposed [kg]	[kg]	1.36E-02	0.00E+00	0.00E+00	1.36E-02
Components for re-use [kg]	[kg]	2.62E-01	0.00E+00	0.00E+00	2.62E-01
Materials for recycling [kg]	[kg]	2.52E-01	0.00E+00	5.93E+00	6.19E+00
Materials for energy recovery [kg]	[kg]	6.19E-07	0.00E+00	2.07E-06	2.69E-06
Exported energy MJ per energy carrier	[MJ per energy carrier]	INA	INA	INA	INA

\*Product weight includes: material, packaging waste and all packaging materials

# 03/LIFE CYCLE ASSESSMENT (LCA)

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## RESULTS

EASY SPACE					
Environmental impacts: (DU) 1 desk / table (weight: 56,9 kg*)					
IMPACT CATEGORIES	UNIT	C2	C3	C4	D
Global warming potential	[kg CO <sub>2</sub> eq.]	1.07E-01	1.40E+00	1.91E+00	-3.94E+01
Depletion potential of the stratospheric ozone layer	[kg CFC 11 eq.]	0.00E+00	1.02E-07	2.06E-08	-3.33E-07
Acidification potential of soil and water	[kg SO <sub>2</sub> eq.]	8.05E-04	7.19E-03	2.17E-03	-5.40E-02
Formation potential of tropospheric ozone	[kg Ethene eq.]	5.19E-05	7.98E-04	4.79E-04	-1.94E-02
Eutrophication potential	[kg (PO <sub>4</sub> ) <sup>3-</sup> eq.]	1.42E-04	2.82E-03	6.25E-04	-3.07E-02
Abiotic depletion potential (ADP-elements) for non-fossil resources	[kg Sb eq.]	0.00E+00	2.58E-05	3.89E-06	-1.46E-03
Abiotic depletion potential (ADP-fossil fuels) for fossil resources	[MJ]	3.14E+00	2.07E+01	7.67E+00	-3.55E+02
Environmental aspects on resource use: (DU) 1 desk / table (weight: 56,9 kg*)					
ASPETCS	Unit	C2	C3	C4	D
Use of renewable primary energy excluding renewable primary energy resources used as raw materials	[MJ]	INA	INA	INA	INA
Use of renewable primary energy resources used as raw materials	[MJ]	INA	INA	INA	INA
Total use of renewable primary energy resources (primary energy and primary energy resources used as raw material)	[MJ]	2.20E-01	9.50E+01	6.90E-01	-1.96E+01
Use of non-renewable primary energy excluding non-renewable primary energy resources used as raw materials	[MJ]	INA	INA	INA	INA
Use of non-renewable primary energy resources used as raw materials	[MJ]	INA	INA	INA	INA
Total use of non renewable primary energy resources (primary energy and primary energy resources used as raw material)	[MJ]	3.30E+00	1.79E+01	6.25E+00	-3.12E+02
Use of secondary material	[kg]	0.00E+00	0.00E+00	0.00E+00	8.06E+00
Use of renewable secondary fuels	[MJ]	1.65E-01	0.00E+00	0.00E+00	1.32E+02
Use of non-renewable secondary fuels	[MJ]	0.00E+00	0.00E+00	0.00E+00	1.08E+01
Use of net fresh water	[m <sup>3</sup> ]	INA	INA	INA	INA
Other environmental information describing waste categories: (DU) 1 desk / table (weight: 56,9 kg*)					
WASTES	Unit	C2	C3	C4	D
Hazardous waste disposed [kg]	[kg]	1.82E-06	2.89E-02	5.31E-06	-4.62E-03
Non-hazardous waste disposed [kg]	[kg]	1.69E-03	6.69E-01	8.55E-01	-1.14E+00
Radioactive waste disposed [kg]	[kg]	0.00E+00	1.38E-04	1.74E-05	-1.00E-02
Components for re-use [kg]	[kg]	0.00E+00	1.58E-01	0.00E+00	0.00E+00
Materials for recycling [kg]	[kg]	0.00E+00	1.54E+01	0.00E+00	-1.49E-01
Materials for energy recovery [kg]	[kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Exported energy MJ per energy carrier	[MJ per energy carrier]	INA	INA	INA	INA

\*Product weight includes: material, packaging waste and all packaging materials

# 03/LIFE CYCLE ASSESSMENT (LCA)

Environmental Product Declaration Type III ITB No. 112/2020

## RESULTS

CS5040					
Environmental impacts: (DU) 1 desk / table (weight: 73,4 kg*)					
IMPACT CATEGORIES	UNIT	A1	A2	A3	A1-A3
Global warming potential	[kg CO <sub>2</sub> eq.]	2.97E+00	2.48E+00	2.68E+01	3.22E+01
Depletion potential of the stratospheric ozone layer	[kg CFC 11 eq.]	1.09E-06	0.00E+00	0.00E+00	1.09E-06
Acidification potential of soil and water	[kg SO <sub>2</sub> eq.]	2.45E-01	1.85E-02	5.56E-03	2.69E-01
Formation potential of tropospheric ozone	[kg Ethene eq.]	5.40E-02	1.31E-03	2.72E-03	5.80E-02
Eutrophication potential	[kg (PO <sub>4</sub> ) <sup>3-</sup> eq.]	6.49E-02	1.99E-05	8.97E-04	6.58E-02
Abiotic depletion potential (ADP-elements) for non-fossil resources	[kg Sb eq.]	4.11E-02	0.00E+00	9.92E-05	4.11E-02
Abiotic depletion potential (ADP-fossil fuels) for fossil resources	[MJ]	8.93E+02	4.57E+01	1.79E+02	1.12E+03
Environmental aspects on resource use: (DU) 1 desk / table (weight: 53,5 kg*)					
ASPETCS	Unit	A1	A2	A3	A1-A3
Use of renewable primary energy excluding renewable primary energy resources used as raw materials	[MJ]	INA	INA	INA	INA
Use of renewable primary energy resources used as raw materials	[MJ]	INA	INA	INA	INA
Total use of renewable primary energy resources (primary energy and primary energy resources used as raw material)	[MJ]	5.69E+02	3.20E+00	1.14E+01	5.83E+02
Use of non-renewable primary energy excluding non-renewable primary energy resources used as raw materials	[MJ]	INA	INA	INA	INA
Use of non-renewable primary energy resources used as raw materials	[MJ]	INA	INA	INA	INA
Total use of non renewable primary energy resources (primary energy and primary energy resources used as raw material)	[MJ]	9.90E+02	4.80E+01	1.88E+02	1.23E+03
Use of secondary material	[kg]	1.02E+02	0.00E+00	0.00E+00	1.02E+02
Use of renewable secondary fuels	[MJ]	1.44E+02	2.40E+00	0.00E+00	1.46E+02
Use of non-renewable secondary fuels	[MJ]	6.13E-02	0.00E+00	0.00E+00	6.13E-02
Use of net fresh water	[m <sup>3</sup> ]	INA	INA	INA	INA
Other environmental information describing waste categories: (DU) 1 desk / table (weight: 53,5 kg*)					
WASTES	Unit	A1	A2	A3	A1-A3
Hazardous waste disposed [kg]	[kg]	4.11E-01	3.71E-06	1.42E-01	5.54E-01
Non-hazardous waste disposed [kg]	[kg]	1.66E+01	3.44E-03	2.65E-01	1.69E+01
Radioactive waste disposed [kg]	[kg]	2.53E-01	0.00E+00	0.00E+00	2.53E-01
Components for re-use [kg]	[kg]	4.12E-01	0.00E+00	0.00E+00	4.12E-01
Materials for recycling [kg]	[kg]	7.52E-02	0.00E+00	7.62E+00	7.70E+00
Materials for energy recovery [kg]	[kg]	3.54E-05	0.00E+00	0.00E+00	3.54E-05
Exported energy MJ per energy carrier	[MJ per energy carrier]	INA	INA	INA	INA

\*Product weight includes: material, packaging waste and all packaging materials

# 03/LIFE CYCLE ASSESSMENT (LCA)

Environmental Product Declaration Type III ITB No. 112/2020

## RESULTS

CS5040					
Environmental impacts: (DU) 1 desk / table (weight: 73,4 kg*)					
IMPACT CATEGORIES	UNIT	C2	C3	C4	D
Global warming potential	[kg CO <sub>2</sub> eq.]	1.38E-01	1.61E+00	2.43E+00	-5.12E+01
Depletion potential of the stratospheric ozone layer	[kg CFC 11 eq.]	0.00E+00	1.19E-07	2.62E-08	-4.07E-07
Acidification potential of soil and water	[kg SO <sub>2</sub> eq.]	1.04E-03	7.51E-03	2.73E-03	-7.81E-02
Formation potential of tropospheric ozone	[kg Ethene eq.]	6.71E-05	9.15E-04	6.03E-04	-2.20E-02
Eutrophication potential	[kg (PO <sub>4</sub> ) <sup>3-</sup> eq.]	1.84E-04	2.92E-03	7.82E-04	-2.72E-02
Abiotic depletion potential (ADP-elements) for non-fossil resources	[kg Sb eq.]	0.00E+00	2.47E-05	4.97E-06	-2.28E-03
Abiotic depletion potential (ADP-fossil fuels) for fossil resources	[MJ]	4.06E+00	2.42E+01	9.57E+00	-4.62E+02
Environmental aspects on resource use: (DU) 1 desk / table (weight: 73,4 kg*)					
ASPETCS	Unit	C2	C3	C4	D
Use of renewable primary energy excluding renewable primary energy resources used as raw materials	[MJ]	INA	INA	INA	INA
Use of renewable primary energy resources used as raw materials	[MJ]	INA	INA	INA	INA
Total use of renewable primary energy resources (primary energy and primary energy resources used as raw material)	[MJ]	2.84E-01	1.13E+02	8.68E-01	-1.55E+01
Use of non-renewable primary energy excluding non-renewable primary energy resources used as raw materials	[MJ]	INA	INA	INA	INA
Use of non-renewable primary energy resources used as raw materials	[MJ]	INA	INA	INA	INA
Total use of non renewable primary energy resources (primary energy and primary energy resources used as raw material)	[MJ]	4.26E+00	2.10E+01	7.82E+00	-3.94E+02
Use of secondary material	[kg]	0.00E+00	0.00E+00	0.00E+00	9.64E+00
Use of renewable secondary fuels	[MJ]	2.13E-01	0.00E+00	0.00E+00	1.57E+02
Use of non-renewable secondary fuels	[MJ]	0.00E+00	0.00E+00	0.00E+00	1.29E+01
Use of net fresh water	[m <sup>3</sup> ]	INA	INA	INA	INA
Other environmental information describing waste categories: (DU) 1 desk / table (weight: 73,4 kg*)					
WASTES	Unit	C2	C3	C4	D
Hazardous waste disposed [kg]	[kg]	1.82E-06	1.73E-02	6.79E-06	-7.25E-03
Non-hazardous waste disposed [kg]	[kg]	1.69E-03	9.42E-01	1.05E+00	-3.92E+00
Radioactive waste disposed [kg]	[kg]	0.00E+00	1.91E-04	2.16E-05	-1.58E-02
Components for re-use [kg]	[kg]	0.00E+00	2.48E-01	0.00E+00	0.00E+00
Materials for recycling [kg]	[kg]	0.00E+00	2.43E+01	0.00E+00	-8.93E-02
Materials for energy recovery [kg]	[kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Exported energy MJ per energy carrier	[MJ per energy carrier]	INA	INA	INA	INA

\*Product weight includes: material, packaging waste and all packaging materials

# 03/LIFE CYCLE ASSESSMENT (LCA)

Environmental Product Declaration Type III ITB No. 112/2020

## RESULTS

EMODEL					
Environmental impacts: (DU) 1 desk / table (weight: 78,5kg*)					
IMPACT CATEGORIES	UNIT	A1	A2	A3	A1-A3
Global warming potential	[kg CO <sub>2</sub> eq.]	2.31E+01	2.37E+00	5.05E+01	7.59E+01
Depletion potential of the stratospheric ozone layer	[kg CFC 11 eq.]	5.79E-07	0.00E+00	0.00E+00	5.79E-07
Acidification potential of soil and water	[kg SO <sub>2</sub> eq.]	2.58E-01	1.78E-02	1.27E-02	2.88E-01
Formation potential of tropospheric ozone	[kg Ethene eq.]	6.07E-02	1.24E-03	2.62E-03	6.46E-02
Eutrophication potential	[kg (PO <sub>4</sub> ) <sup>3-</sup> eq.]	3.83E-02	1.34E-04	2.14E-03	4.06E-02
Abiotic depletion potential (ADP-elements) for non-fossil resources	[kg Sb eq.]	9.43E-03	0.00E+00	1.87E-04	9.62E-03
Abiotic depletion potential (ADP-fossil fuels) for fossil resources	[MJ]	9.25E+02	3.42E+01	2.90E+02	1.25E+03
Environmental aspects on resource use: (DU) 1 desk / table (weight: 78,5 kg*)					
ASPETCS	Unit	A1	A2	A3	A1-A3
Use of renewable primary energy excluding renewable primary energy resources used as raw materials	[MJ]	INA	INA	INA	INA
Use of renewable primary energy resources used as raw materials	[MJ]	INA	INA	INA	INA
Total use of renewable primary energy resources (primary energy and primary energy resources used as raw material)	[MJ]	8.07E+02	2.39E+00	1.78E+01	8.27E+02
Use of non-renewable primary energy excluding non-renewable primary energy resources used as raw materials	[MJ]	INA	INA	INA	INA
Use of non-renewable primary energy resources used as raw materials	[MJ]	INA	INA	INA	INA
Total use of non renewable primary energy resources (primary energy and primary energy resources used as raw material)	[MJ]	1.07E+03	3.59E+01	3.04E+02	1.41E+03
Use of secondary material	[kg]	3.16E+01	0.00E+00	0.00E+00	3.16E+01
Use of renewable secondary fuels	[MJ]	5.03E-01	1.79E+00	0.00E+00	2.30E+00
Use of non-renewable secondary fuels	[MJ]	6.13E-02	0.00E+00	0.00E+00	6.13E-02
Use of net fresh water	[m <sup>3</sup> ]	INA	INA	INA	INA
Other environmental information describing waste categories: (DU) 1 desk / table (weight: 78,5 kg*)					
WASTES	Unit	A1	A2	A3	A1-A3
Hazardous waste disposed [kg]	[kg]	1.18E-02	1.94E-05	3.29E-01	3.41E-01
Non-hazardous waste disposed [kg]	[kg]	4.26E+00	1.80E-02	4.05E-01	4.69E+00
Radioactive waste disposed [kg]	[kg]	2.65E-02	0.00E+00	0.00E+00	2.65E-02
Components for re-use [kg]	[kg]	5.62E-01	0.00E+00	0.00E+00	5.62E-01
Materials for recycling [kg]	[kg]	5.40E-01	0.00E+00	9.22E+00	9.76E+00
Materials for energy recovery [kg]	[kg]	1.04E-05	0.00E+00	0.00E+00	1.04E-05
Exported energy MJ per energy carrier	[MJ per energy carrier]	INA	INA	INA	INA

\*Product weight includes: material, packaging waste and all packaging materials

# 03/LIFE CYCLE ASSESSMENT (LCA)

Environmental Product Declaration Type III ITB No. 112/2020

## RESULTS

EMODEL					
Environmental impacts: (DU) 1 desk / table (weight: 78,5kg*)					
IMPACT CATEGORIES	UNIT	C2	C3	C4	D
Global warming potential	[kg CO <sub>2</sub> eq.]	1.47E-01	1.15E+00	1.33E+00	-5.60E+01
Depletion potential of the stratospheric ozone layer	[kg CFC 11 eq.]	0.00E+00	8.32E-08	1.36E-08	-4.39E-07
Acidification potential of soil and water	[kg SO <sub>2</sub> eq.]	1.11E-03	4.89E-03	1.64E-03	-9.67E-02
Formation potential of tropospheric ozone	[kg Ethene eq.]	7.17E-05	6.38E-04	3.23E-04	-2.04E-02
Eutrophication potential	[kg (PO <sub>4</sub> ) <sup>3-</sup> eq.]	1.96E-04	1.89E-03	4.29E-04	-1.78E-02
Abiotic depletion potential (ADP-elements) for non-fossil resources	[kg Sb eq.]	0.00E+00	1.25E-05	2.58E-06	-3.11E-03
Abiotic depletion potential (ADP-fossil fuels) for fossil resources	[MJ]	4.34E+00	1.75E+01	6.01E+00	-4.98E+02
Environmental aspects on resource use: (DU) 1 desk / table (weight: 78,5 kg*)					
ASPETCS	Unit	C2	C3	C4	D
Use of renewable primary energy excluding renewable primary energy resources used as raw materials	[MJ]	INA	INA	INA	INA
Use of renewable primary energy resources used as raw materials	[MJ]	INA	INA	INA	INA
Total use of renewable primary energy resources (primary energy and primary energy resources used as raw material)	[MJ]	3.04E-01	9.77E+01	5.15E-01	4.99E-01
Use of non-renewable primary energy excluding non-renewable primary energy resources used as raw materials	[MJ]	INA	INA	INA	INA
Use of non-renewable primary energy resources used as raw materials	[MJ]	INA	INA	INA	INA
Total use of non renewable primary energy resources (primary energy and primary energy resources used as raw material)	[MJ]	4.55E+00	1.52E+01	4.78E+00	-4.05E+02
Use of secondary material	[kg]	0.00E+00	0.00E+00	0.00E+00	8.32E+00
Use of renewable secondary fuels	[MJ]	2.28E-01	0.00E+00	0.00E+00	1.36E+02
Use of non-renewable secondary fuels	[MJ]	0.00E+00	0.00E+00	0.00E+00	1.12E+01
Use of net fresh water	[m <sup>3</sup> ]	INA	INA	INA	INA
Other environmental information describing waste categories: (DU) 1 desk / table (weight: 78,5 kg*)					
WASTES	Unit	C2	C3	C4	D
Hazardous waste disposed [kg]	[kg]	1.82E-06	2.96E-05	3.60E-06	-9.88E-03
Non-hazardous waste disposed [kg]	[kg]	1.69E-03	9.66E-01	1.94E+00	-2.51E+00
Radioactive waste disposed [kg]	[kg]	0.00E+00	2.11E-04	1.66E-04	-2.15E-02
Components for re-use [kg]	[kg]	0.00E+00	3.38E-01	0.00E+00	0.00E+00
Materials for recycling [kg]	[kg]	0.00E+00	3.31E+01	0.00E+00	-1.36E-05
Materials for energy recovery [kg]	[kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Exported energy MJ per energy carrier	[MJ per energy carrier]	INA	INA	INA	INA

\*Product weight includes: material, packaging waste and all packaging materials

# 03/LIFE CYCLE ASSESSMENT (LCA)

Environmental Product Declaration Type III ITB No. 112/2020

## RESULTS

PLAY&WORK					
Environmental impacts: (DU) 1 desk / table (weight: 78,5 kg*)					
IMPACT CATEGORIES	UNIT	A1	A2	A3	A1-A3
Global warming potential	[kg CO <sub>2</sub> eq.]	3.54E+01	2.32E+00	4.94E+01	8.72E+01
Depletion potential of the stratospheric ozone layer	[kg CFC 11 eq.]	1.87E-06	0.00E+00	0.00E+00	1.87E-06
Acidification potential of soil and water	[kg SO <sub>2</sub> eq.]	2.94E-01	1.75E-02	1.05E-02	3.22E-01
Formation potential of tropospheric ozone	[kg Ethene eq.]	8.69E-02	1.22E-03	3.67E-03	9.18E-02
Eutrophication potential	[kg (PO <sub>4</sub> ) <sup>3-</sup> eq.]	1.24E-01	1.37E-05	1.88E-03	1.26E-01
Abiotic depletion potential (ADP-elements) for non-fossil resources	[kg Sb eq.]	3.35E-03	0.00E+00	1.83E-04	3.53E-03
Abiotic depletion potential (ADP-fossil fuels) for fossil resources	[MJ]	1.22E+03	4.66E+01	3.06E+02	1.57E+03
Environmental aspects on resource use: (DU) 1 desk / table (weight: 78,5 kg*)					
ASPETCS	Unit	A1	A2	A3	A1-A3
Use of renewable primary energy excluding renewable primary energy resources used as raw materials	[MJ]	INA	INA	INA	INA
Use of renewable primary energy resources used as raw materials	[MJ]	INA	INA	INA	INA
Total use of renewable primary energy resources (primary energy and primary energy resources used as raw material)	[MJ]	8.89E+02	3.26E+00	1.92E+01	9.11E+02
Use of non-renewable primary energy excluding non-renewable primary energy resources used as raw materials	[MJ]	INA	INA	INA	INA
Use of non-renewable primary energy resources used as raw materials	[MJ]	INA	INA	INA	INA
Total use of non renewable primary energy resources (primary energy and primary energy resources used as raw material)	[MJ]	1.36E+03	4.90E+01	3.22E+02	1.73E+03
Use of secondary material	[kg]	2.75E+01	0.00E+00	0.00E+00	2.75E+01
Use of renewable secondary fuels	[MJ]	4.54E-01	2.45E+00	0.00E+00	2.90E+00
Use of non-renewable secondary fuels	[MJ]	6.13E-02	0.00E+00	0.00E+00	6.13E-02
Use of net fresh water	[m <sup>3</sup> ]	INA	INA	INA	INA
Other environmental information describing waste categories: (DU) 1 desk / table (weight: 78,5 kg*)					
WASTES	Unit	A1	A2	A3	A1-A3
Hazardous waste disposed [kg]	[kg]	1.98E-02	2.75E-06	2.93E-01	3.13E-01
Non-hazardous waste disposed [kg]	[kg]	4.84E+00	2.55E-03	4.29E-01	5.27E+00
Radioactive waste disposed [kg]	[kg]	2.40E-02	0.00E+00	0.00E+00	2.40E-02
Components for re-use [kg]	[kg]	5.08E-01	0.00E+00	0.00E+00	5.08E-01
Materials for recycling [kg]	[kg]	4.88E-01	0.00E+00	1.15E+01	1.20E+01
Materials for energy recovery [kg]	[kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Exported energy MJ per energy carrier	[MJ per energy carrier]	INA	INA	INA	INA

\*Product weight includes: material, packaging waste and all packaging materials

# 03/LIFE CYCLE ASSESSMENT (LCA)

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## RESULTS

PLAY&WORK					
Environmental impacts: (DU) 1 desk / table (weight: 78,5 kg*)					
IMPACT CATEGORIES	UNIT	C2	C3	C4	D
Global warming potential	[kg CO <sub>2</sub> eq.]	1.47E-01	2.24E+00	4.42E+00	-6.24E+01
Depletion potential of the stratospheric ozone layer	[kg CFC 11 eq.]	0.00E+00	1.64E-07	5.01E-08	-5.96E-07
Acidification potential of soil and water	[kg SO <sub>2</sub> eq.]	1.11E-03	1.16E-02	4.57E-03	-9.34E-02
Formation potential of tropospheric ozone	[kg Ethene eq.]	7.17E-05	1.29E-03	1.12E-03	-3.00E-02
Eutrophication potential	[kg (PO <sub>4</sub> ) <sup>3-</sup> eq.]	1.96E-04	4.44E-03	1.42E-03	-5.56E-02
Abiotic depletion potential (ADP-elements) for non-fossil resources	[kg Sb eq.]	0.00E+00	4.71E-05	9.48E-06	-2.81E-03
Abiotic depletion potential (ADP-fossil fuels) for fossil resources	[MJ]	4.34E+00	3.27E+01	1.53E+01	-5.35E+02
Environmental aspects on resource use: (DU) 1 desk / table (weight: 78,5 kg*)					
ASPETCS	Unit	C2	C3	C4	D
Use of renewable primary energy excluding renewable primary energy resources used as raw materials	[MJ]	INA	INA	INA	INA
Use of renewable primary energy resources used as raw materials	[MJ]	INA	INA	INA	INA
Total use of renewable primary energy resources (primary energy and primary energy resources used as raw material)	[MJ]	3.04E-01	1.06E+02	1.47E+00	-1.24E+01
Use of non-renewable primary energy excluding non-renewable primary energy resources used as raw materials	[MJ]	INA	INA	INA	INA
Use of non-renewable primary energy resources used as raw materials	[MJ]	INA	INA	INA	INA
Total use of non renewable primary energy resources (primary energy and primary energy resources used as raw material)	[MJ]	4.56E+00	2.92E+01	1.29E+01	-4.52E+02
Use of secondary material	[kg]	0.00E+00	0.00E+00	0.00E+00	8.87E+00
Use of renewable secondary fuels	[MJ]	2.28E-01	0.00E+00	0.00E+00	1.45E+02
Use of non-renewable secondary fuels	[MJ]	0.00E+00	0.00E+00	0.00E+00	1.19E+01
Use of net fresh water	[m <sup>3</sup> ]	INA	INA	INA	INA
Other environmental information describing waste categories: (DU) 1 desk / table (weight: 78,5 kg*)					
WASTES	Unit	C2	C3	C4	D
Hazardous waste disposed [kg]	[kg]	1.82E-06	5.64E-02	1.30E-05	-8.94E-03
Non-hazardous waste disposed [kg]	[kg]	1.69E-03	1.32E+00	1.96E+00	-2.55E+00
Radioactive waste disposed [kg]	[kg]	0.00E+00	2.41E-04	3.21E-05	-1.94E-02
Components for re-use [kg]	[kg]	0.00E+00	3.05E-01	0.00E+00	0.00E+00
Materials for recycling [kg]	[kg]	0.00E+00	2.99E+01	0.00E+00	-2.91E-01
Materials for energy recovery [kg]	[kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Exported energy MJ per energy carrier	[MJ per energy carrier]	INA	INA	INA	INA

\*Product weight includes: material, packaging waste and all packaging materials

# 03/LIFE CYCLE ASSESSMENT (LCA)

Environmental Product Declaration Type III ITB No. 112/2020

## RESULTS

LEVITATE					
Environmental impacts: (DU) 1 desk / table (weight: 75 kg*)					
IMPACT CATEGORIES	UNIT	A1	A2	A3	A1-A3
Global warming potential	[kg CO <sub>2</sub> eq.]	-5.82E+00	3.60E+00	1.85E+02	1.83E+02
Depletion potential of the stratospheric ozone layer	[kg CFC 11 eq.]	1.38E-06	0.00E+00	0.00E+00	1.38E-06
Acidification potential of soil and water	[kg SO <sub>2</sub> eq.]	3.70E-01	2.73E-02	7.06E-02	4.68E-01
Formation potential of tropospheric ozone	[kg Ethene eq.]	7.12E-02	1.88E-03	1.65E-02	8.95E-02
Eutrophication potential	[kg (PO <sub>4</sub> ) <sup>3-</sup> eq.]	7.05E-02	5.47E-06	1.30E-02	8.35E-02
Abiotic depletion potential (ADP-elements) for non-fossil resources	[kg Sb eq.]	5.86E-03	0.00E+00	6.85E-04	6.55E-03
Abiotic depletion potential (ADP-fossil fuels) for fossil resources	[MJ]	1.14E+03	6.80E+01	7.56E+02	1.96E+03
Environmental aspects on resource use: (DU) 1 desk / table (weight: 75 kg*)					
ASPETCS	Unit	A1	A2	A3	A1-A3
Use of renewable primary energy excluding renewable primary energy resources used as raw materials	[MJ]	INA	INA	INA	INA
Use of renewable primary energy resources used as raw materials	[MJ]	INA	INA	INA	INA
Total use of renewable primary energy resources (primary energy and primary energy resources used as raw material)	[MJ]	8.47E+02	4.76E+00	4.45E+01	8.96E+02
Use of non-renewable primary energy excluding non-renewable primary energy resources used as raw materials	[MJ]	INA	INA	INA	INA
Use of non-renewable primary energy resources used as raw materials	[MJ]	INA	INA	INA	INA
Total use of non renewable primary energy resources (primary energy and primary energy resources used as raw material)	[MJ]	1.26E+03	7.14E+01	7.94E+02	2.12E+03
Use of secondary material	[kg]	2.78E+01	0.00E+00	0.00E+00	2.78E+01
Use of renewable secondary fuels	[MJ]	4.43E-01	3.57E+00	0.00E+00	4.01E+00
Use of non-renewable secondary fuels	[MJ]	6.13E-02	0.00E+00	0.00E+00	6.13E-02
Use of net fresh water	[m <sup>3</sup> ]	INA	INA	INA	INA
Other environmental information describing waste categories: (DU) 1 desk / table (weight: 75 kg*)					
WASTES	Unit	A1	A2	A3	A1-A3
Hazardous waste disposed [kg]	[kg]	1.24E-01	1.02E-06	4.05E-01	5.30E-01
Non-hazardous waste disposed [kg]	[kg]	6.80E+00	9.50E-04	6.26E-01	7.43E+00
Radioactive waste disposed [kg]	[kg]	2.44E-02	0.00E+00	0.00E+00	2.44E-02
Components for re-use [kg]	[kg]	4.96E-01	0.00E+00	0.00E+00	4.96E-01
Materials for recycling [kg]	[kg]	4.77E-01	0.00E+00	2.38E+01	2.43E+01
Materials for energy recovery [kg]	[kg]	4.60E-04	0.00E+00	5.78E+00	5.78E+00
Exported energy MJ per energy carrier	[MJ per energy carrier]	INA	INA	INA	INA

\*Product weight includes: material, packaging waste and all packaging materials

# 03/LIFE CYCLE ASSESSMENT (LCA)

Environmental Product Declaration Type III ITB No. 112/2020

## RESULTS

LEVITATE					
Environmental impacts: (DU) 1 desk / table (weight: 75 kg*)					
IMPACT CATEGORIES	UNIT	C2	C3	C4	D
Global warming potential	[kg CO <sub>2</sub> eq.]	2.92E-01	3.04E+00	1.77E+00	-7.11E+01
Depletion potential of the stratospheric ozone layer	[kg CFC 11 eq.]	0.00E+00	2.25E-07	1.35E-08	-4.84E-07
Acidification potential of soil and water	[kg SO <sub>2</sub> eq.]	2.21E-03	1.35E-02	2.95E-03	-1.14E-01
Formation potential of tropospheric ozone	[kg Ethene eq.]	1.42E-04	1.70E-03	4.05E-04	-2.86E-02
Eutrophication potential	[kg (PO <sub>4</sub> ) <sup>3-</sup> eq.]	3.90E-04	5.48E-03	5.95E-04	-2.35E-02
Abiotic depletion potential (ADP-elements) for non-fossil resources	[kg Sb eq.]	0.00E+00	3.08E-05	2.65E-06	-2.75E-03
Abiotic depletion potential (ADP-fossil fuels) for fossil resources	[MJ]	8.61E+00	4.71E+01	1.21E+01	-8.89E+02
Environmental aspects on resource use: (DU) 1 desk / table (weight: 75 kg*)					
ASPETCS	Unit	C2	C3	C4	D
Use of renewable primary energy excluding renewable primary energy resources used as raw materials	[MJ]	INA	INA	INA	INA
Use of renewable primary energy resources used as raw materials	[MJ]	INA	INA	INA	INA
Total use of renewable primary energy resources (primary energy and primary energy resources used as raw material)	[MJ]	6.03E-01	3.21E+02	8.96E-01	-7.58E+01
Use of non-renewable primary energy excluding non-renewable primary energy resources used as raw materials	[MJ]	INA	INA	INA	INA
Use of non-renewable primary energy resources used as raw materials	[MJ]	INA	INA	INA	INA
Total use of non renewable primary energy resources (primary energy and primary energy resources used as raw material)	[MJ]	9.05E+00	3.87E+01	9.00E+00	-8.08E+02
Use of secondary material	[kg]	0.00E+00	0.00E+00	0.00E+00	2.75E+01
Use of renewable secondary fuels	[MJ]	4.52E-01	0.00E+00	0.00E+00	4.48E+02
Use of non-renewable secondary fuels	[MJ]	0.00E+00	0.00E+00	0.00E+00	3.68E+01
Use of net fresh water	[m <sup>3</sup> ]	INA	INA	INA	INA
Other environmental information describing waste categories: (DU) 1 desk / table (weight: 75 kg*)					
WASTES	Unit	C2	C3	C4	D
Hazardous waste disposed [kg]	[kg]	1.82E-06	7.60E-05	3.51E-06	-8.74E-03
Non-hazardous waste disposed [kg]	[kg]	1.69E-03	1.14E+00	7.16E-01	-1.46E+00
Radioactive waste disposed [kg]	[kg]	0.00E+00	2.94E-04	3.28E-05	-1.90E-02
Components for re-use [kg]	[kg]	0.00E+00	2.98E-01	0.00E+00	0.00E+00
Materials for recycling [kg]	[kg]	0.00E+00	2.92E+01	0.00E+00	0.00E+00
Materials for energy recovery [kg]	[kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Exported energy MJ per energy carrier	[MJ per energy carrier]	INA	INA	INA	INA

\*Product weight includes: material, packaging waste and all packaging materials

# 04/VERIFICATION

Environmental Product Declaration Type III ITB No. 112/2020

The process of verification of this EPD is in accordance with ISO 14025. After verification, this EPD is valid for a 5-year-period. EPD does not have to be recalculated after 5 years, if the underlying data have not changed significantly.

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The basis for LCA analysis was ISO 14040 and ITB PCR A

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Independent verification corresponding to ISO 14025 (subclause 8.1.3.)

external

internal

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External verification of EPD:  
Ph.D. Eng. Halina Prejzner

LCA, LCI audit and input data verification:  
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Verification of LCA:  
Ph.D. Eng. Michał Piasecki, m.piasecki@itb.pl

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## NORMATIVE REFERENCES

- >> ITB PCR A General Product Category Rules for Construction Products
- >> ISO 14025:2006, Environmental labels and declarations – Type III environmental declarations – Principles and procedures
- >> ISO 14040:2006 Environmental management – Life cycle assessment – Principles and framework
- >> ISO 14044:2006 Environmental management – Life cycle assessment – Requirements and guidelines
- >> EN 15804:2012+A2:2019 Sustainability of construction works. Environmental product declarations. Core rules for the product category of construction products
- >> PN-EN 15942:2012 Sustainability of construction works – Environmental product declarations – Communication format business-to-business
- >> KOBiZE Wskaźniki emisyjności CO<sub>2</sub>, SO<sub>2</sub>, NO<sub>x</sub>, CO i pyłu całkowitego dla energii elektrycznej, grudzień 2017



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