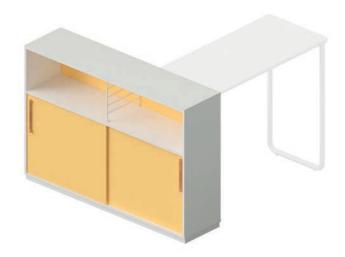


Environmental Product Declaration Type III ITB No. 114/2020

Issuance date: 08.06.2020 Validity date: 08.06.2025



EASY SPACE, PLAY&WORK, LEVITATE

STORAGE

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.

ITB is the verified member of The European Platform for EPD program operators and LCA practitioner www.eco-platform.org

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 14073-2, EN 14073-3

Service Life:

 ${\bf 5}$ years for standard product with possibility of 10 years

PCR:

ITB-PCR A

Declared unit:

1 storage furniture

Reasons for performing LCA:

B2E

Representativeness:

Polish product

Owner of the EPD:

Nowy Styl Sp. z o.o.

Address: Pużaka 49, 38-400 Krosno, Poland Website: https://pl.nowystylgroup.com/pl/

Contact: info@nowystylgroup.com Tel.: +48 13 43 76 100, +48 13 43 62 732

EPD Program Operator:

Instytut Techniki Budowlanej (ITB)

Address: Filtrowa 1, 00-611 Warsaw, Poland

Website: www.itb.pl

Contact: Justyna Tomaszewska j.tomaszewska@itb.pl energia@itb.pl

O1/MANUFACTURER

Environmental Product Declaration Type III ITB No. 114/2020



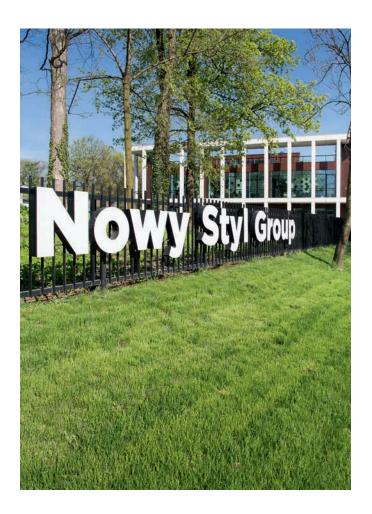
OUR COMPANY

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.

O1/MANUFACTURER

Environmental Product Declaration Type III ITB No. 114/2020



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 m², including a fully automated office furniture factory opened in 2014. The company also owns Research and Development Centre located in Jaslo where innovative production technologies and product solutions are constantly developed.



02/PRODUCT DESCRIPTION

Environmental Product Declaration Type III ITB No. 114/2020







FURNITURE LINES EASY SPACE

Easy Space line consists of pedestals, Big Orga Tower, cabinets, mobile sideboard.

EASY SPACE PEDESTALS:

Pedestal types:

mobile or fixed

Carcass and fronts:

melamine faced chipboard

Type of drawers:

plastic, metal, melamine faced chipboard

(all types equipped with lock)

Type of pencil trays:

plastic (integrated with pedestal or inserted into drawer)

Handles:

metal

Castors for mobile version:

four castors, two of them equipped with brakes

Upholstered pad (optional):

chipboard upholstered with polyurethane foam

EASY SPACE BIG ORGA TOWER:

Big Orga Tower types:

Free-standing left or right drawer version with 3 shelves

Carcass and fronts:

melamine faced chipboard

Handles: metal

Additional castor and counter-weight included

as standard for safety reasons.

02/PRODUCT DESCRIPTION

Environmental Product Declaration Type III ITB No. 114/2020





FURNITURE LINES EASY SPACE

Easy Space line consists of pedestals, Big Orga Tower, cabinets, mobile sideboard.

EASY SPACE CABINETS AND UPPER CABINETS:

Carcass and shelves:

melamine faced chipboard

Back types:

melamine faced chipboard of lacquered HDF

Cabinets and upper cabinets front types:

- Open no fronts
- Hinged door melamine faced chipboard
- Combi melamine faced chipboard
- Wardrobe melamine faced chipboard
- Glass door hardened, transparent safety glass
- Sliding door melamine faced chipboard
- Tambour door polypropylene
- Drawer melamine faced chipboard

Glides: leveling Handles: metal

EASY SPACE MOBILE SIDEBOARD:

Sideboard version:

2 hinged doors and 3 drawers

Carcass and fronts:

melamine faced chipboard

Handles: metal Castors: four castors

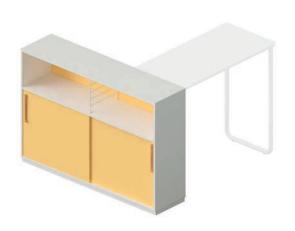
CERTIFICATES

GS Mark for selected configurations

APPLICATIONS

Office Workstations

2/PRODUCT DESCRIPTION Environmental Product Declaration Type III ITB No. 114/2020







FURNITURE LINES PLAY&WORK

Play&Work line consists of sideboard, cabinets.

PLAY&WORK SIDEBOARD FOR INTEGRATION WITH DESK:

Sideboard versions:

- Double-sided model A 1 sliding door, open part, 3 metal drawers
- Double-sided model B 2 sliding doors

Carcass, fronts and shelves: melamine faced chipboard

Base:

steel, powder coated

Handles:

metal or solid wood

PLAY&WORK CABINETS FOR INTEGRATION WITH HIGH TABLE:

Carcass, fronts and shelves: melamine faced chipboard

Base:

steel, powder coated

Handles:

metal or solid wood

Metal panel:

steel rod, powder coated

CERTIFICATES

GS Mark for selected configurations

APPLICATIONS

Office Workstations

PRODUCT DESCRIPTION Environmental Product Declaration Type III ITB No. 114/2020





FURNITURE LINE LEVITATE

LEVITATE PEDESTALS:

Pedestal types:

suspended pedestal with 2 or 3 drawers

Carcass and fronts:

melamine faced chipboard

Type of drawers:

melamine faced chipboard (equipped with lock)

Mounting bracket:

steel, powder coated

CERTIFICATES

Durability certificate for selected configurations

APPLICATIONS

Office Workstations

03/LIFE CYCLE ASSESSMENT(LCA)

GENERAL RULES APPLIED

As shown in the scheme of manufacturing on page 9 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 storage furniture EASY SPACE, PLAY&WORK, LEVITATE is a line process carried out in five factories fo 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 storage furniture production as follows: EASY SPACE, 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 storage furniture EASY SPACE, 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.

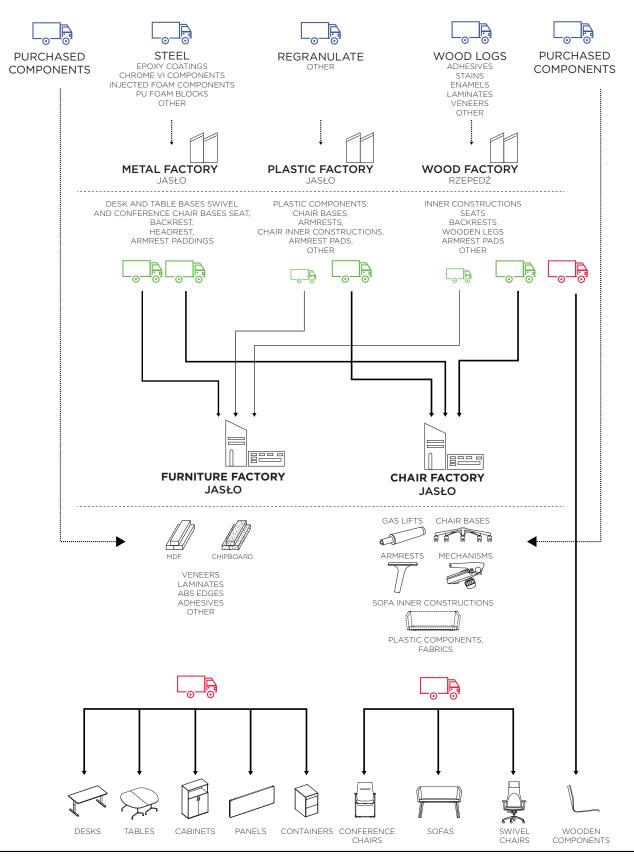
A1 AND A2 MODULES: RAW MATERIALS SUPPLY AND TRANSPORT

Wood-faced boards (MFC), wood, polymers (PA6, PE, POM, PP), 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.

O3/LIFE CYCLE ASSESSMENT(LCA)

Environmental Product Declaration Type III ITB No. 114/2020

A3 PRODUCTION



LEGEND:







03/LIFE CYCLE ASSESSMENT(LCA)

END OF LIFE SCENARIOS

A3 PRODUCTION

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 storage furniture EASY SPACE, PLAY&WORK, LEVITATE were aggregated using weighted average. Impacts were inventoried and calculated for all products of the storage furniture EASY SPACE, 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.

RESULTS

DECLARED UNIT

The declaration refers to delcared unit (DU = 1 storage furniture) – EASY SPACE, PLAY&WORK, LEVITATE storage furniture lines produced byNowy Styl Sp. z o.o.

Table 2. System boundaries for the environmental characteristic of EASY SPACE, PLAY&WORK, LEVITATE storage furniture lines produced by Nowy Styl Sp. z o.o.

PROI	DUCT ST.	AGE		RUCTION OCESS		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	В3	В4	B5	В6	В7	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)

	EAS'	Y SPACE			
Enviro	onmental impacts: (DU)	1 storage furniture (we	ight: 16,8 kg*)		
IMPACT CATEGORIES	UNIT	A1	A2	A3	A1-A3
Global warming potential	[kg CO ₂ eq.]	-1.16E+01	6.87E-01	1.82E+01	7.31E+00
Depletion potential of the stratospheric ozone layer	[kg CFC 11 eq.]	2.77E-07	0.00E+00	0.00E+00	2.77E-07
Acidification potential of soil and water	[kg SO ₂ eq.]	4.66E-02	5.06E-03	1.30E-04	5.18E-02
Formation potential of tropospheric ozone	[kg Ethene eq.]	7.93E-03	3.64E-04	4.40E-03	1.27E-02
Eutrophication potential	[kg (PO ₄) ³ - eq.]	9.51E-03	1.49E-04	1.58E-05	9.68E-03
Abiotic depletion potential (ADP-elements) for non-fossil resources	[kg Sb eq.]	1.49E-03	0.00E+00	6.74E-05	1.56E-03
Abiotic depletion potential (ADP-fossil fuels) for fossil resources	[MJ]	1.81E+02	9.59E+00	1.85E+02	3.76E+02
Environmenta	al aspects on resource u	se: (DU) 1 storage furni	ture (weight: 16,8 kg*)		
ASPETCS	Unit	A1	A2	А3	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]	1.61E+02	6.71E-01	1.26E+01	1.74E+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]	1.95E+02	1.01E+01	1.94E+02	3.99E+02
Use of secondary material	[kg]	7.87E+00	0.00E+00	0.00E+00	7.87E+00
Use of renewable secondary fuels	[MJ]	5.17E+01	5.04E-01	0.00E+00	5.22E+01
Use of non-renewable secondary fuels	[MJ]	6.13E-02	0.00E+00	0.00E+00	6.13E-02
Use of net fresh water	[m³]	INA	INA	INA	INA
Other environmental info	rmation describing was	ste categories: (DU) 1 st	orage furniture (weight	: 16,8 kg*)	
WASTES	Unit	A1	A2	А3	A1-A3
Hazardous waste disposed [kg]	[kg]	1.45E-01	2.12E-05	1.53E-02	1.60E-01
Non-hazardous waste disposed [kg]	[kg]	5.95E+00	1.97E-02	2.64E-01	6.24E+00
Radioactive waste disposed [kg]	[kg]	8.64E-02	0.00E+00	0.00E+00	8.64E-02
Components for re-use [kg]	[kg]	2.93E-02	0.00E+00	0.00E+00	2.93E-02
Materials for recycling [kg]	[kg]	2.82E-02	0.00E+00	1.09E+01	1.10E+01
Materials for energy recovery [kg]	[kg]	3.78E-04	0.00E+00	5.38E-05	4.32E-04
Exported energy MJ per energy carrier	[MJ per energy carrier]	INA	INA	INA	INA

	EAS'	Y SPACE			
Enviro	onmental impacts: (DU)) 1 storage furniture (we	ight: 16,8 kg*)		
IMPACT CATEGORIES	UNIT	C2	C3	C4	D
Global warming potential	[kg CO ₂ eq.]	3.14E-02	4.29E-01	4.83E-01	-7.11E+00
Depletion potential of the stratospheric ozone layer	[kg CFC 11 eq.]	0.00E+00	3.26E-08	4.75E-09	-4.00E-08
Acidification potential of soil and water	[kg SO, eq.]	2.37E-04	1.85E-03	6.11E-04	-9.57E-03
Formation potential of tropospheric ozone	[kg Ethene eq.]	1.53E-05	2.44E-04	1.17E-04	-3.19E-03
Eutrophication potential	[kg (PO ₄) ³ - eq.]	4.19E-05	7.41E-04	1.56E-04	-2.33E-03
Abiotic depletion potential (ADP-elements) for non-fossil resources	[kg Sb eq.]	0.00E+00	4.82E-06	9.21E-07	-1.64E-04
Abiotic depletion potential (ADP-fossil fuels) for fossil resources	[MJ]	9.27E-01	6.64E+00	2.26E+00	-9.19E+01
Environmenta	ıl aspects on resource u	ıse: (DU) 1 storage furni	ture (weight: 16,8 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]	6.49E-02	3.94E+01	1.91E-01	-1.11E+O1
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]	9.73E-01	5.54E+00	1.78E+00	-8.71E+01
Use of secondary material	[kg]	0.00E+00	0.00E+00	0.00E+00	3.37E+00
Use of renewable secondary fuels	[MJ]	4.86E-02	0.00E+00	0.00E+00	5.49E+01
Use of non-renewable secondary fuels	[MJ]	0.00E+00	0.00E+00	0.00E+00	4.51E+00
Use of net fresh water	[m³]	INA	INA	INA	INA
Other environmental info	rmation describing was	ste categories: (DU) 1 st	orage furniture (weight	: 16,8 kg*)	,
WASTES	Unit	C2	C3	C4	D
Hazardous waste disposed [kg]	[kg]	1.82E-06	1.21E-05	1.25E-06	-5.18E-04
Non-hazardous waste disposed [kg]	[kg]	1.69E-03	1.36E-01	1.99E-01	-1.47E-01
Radioactive waste disposed [kg]	[kg]	0.00E+00	3.02E-05	5.49E-06	-1.12E-03
Components for re-use [kg]	[kg]	0.00E+00	1.76E-02	0.00E+00	0.00E+00
Materials for recycling [kg]	[kg]	0.00E+00	1.72E+00	0.00E+00	-7.71E-06
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

 $^{{}^* \}hbox{Product weight includes: material, packaging was te and all packaging materials}$

	PLAY	/&WORK			
Enviro	nmental impacts: (DU)	1 storage furniture (we	eight: 114,8 kg*)		
IMPACT CATEGORIES	UNIT	A1	A2	A3	A1-A3
Global warming potential	[kg CO ₂ eq.]	-5.82E+01	4.74E+00	7.48E+01	2.13E+01
Depletion potential of the stratospheric ozone layer	[kg CFC 11 eq.]	3.24E-06	0.00E+00	0.00E+00	3.24E-06
Acidification potential of soil and water	[kg SO ₂ eq.]	2.97E-01	3.48E-02	1.23E-02	3.44E-01
Formation potential of tropospheric ozone	[kg Ethene eq.]	7.55E-02	2.51E-03	1.01E-02	8.81E-02
Eutrophication potential	[kg (PO ₄) ³ - eq.]	1.30E-01	1.64E-05	2.13E-03	1.32E-01
Abiotic depletion potential (ADP-elements) for non-fossil esources	[kg Sb eq.]	3.68E-03	0.00E+00	2.77E-04	3.96E-03
Abiotic depletion potential (ADP-fossil fuels) for fossil resources	[MJ]	1.48E+03	8.21E+01	5.52E+02	2.11E+03
Environmental	aspects on resource us	se: (DU) 1 storage furni	ture (weight: 114,8 kg*)		
ASPETCS	Unit	A1	A2	А3	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]	1.20E+03	5.75E+00	3.60E+01	1.25E+03
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]	1.58E+03	8.62E+01	5.79E+02	2.24E+03
Use of secondary material	[kg]	4.50E+01	0.00E+00	0.00E+00	4.50E+01
Jse of renewable secondary fuels	[MJ]	3.37E+02	4.31E+00	0.00E+00	3.42E+02
Use of non-renewable secondary fuels	[MJ]	6.13E-02	0.00E+00	0.00E+00	6.13E-02
Jse of net fresh water	[m³]	INA	INA	INA	INA
Other environmental infor	mation describing was	te categories: (DU) 1 st	orage furniture (weight	: 114,8 kg*)	
WASTES	Unit	A1	A2	A3	A1-A3
Hazardous waste disposed [kg]	[kg]	9.66E-01	2.92E-06	2.73E-01	1.24E+00
Non-hazardous waste disposed [kg]	[kg]	3.86E+01	2.71E-03	7.58E-01	3.93E+01
Radioactive waste disposed [kg]	[kg]	5.66E-01	0.00E+00	0.00E+00	5.66E-01
Components for re-use [kg]	[kg]	2.15E-01	0.00E+00	0.00E+00	2.15E-01
Materials for recycling [kg]	[kg]	2.07E-01	0.00E+00	2.61E+01	2.63E+01
Materials for energy recovery [kg]	[kg]	1.16E-04	0.00E+00	2.75E-01	2.75E-01
Exported energy MJ per energy carrier	[MJ per energy carrier]	INA	INA	INA	INA

 $^{^{*}}$ Product weight includes: material, packaging waste and all packaging materials

	PLA	/&WORK			
Enviro	nmental impacts: (DU)	1 storage furniture (we	ight: 114,8 kg*)		
IMPACT CATEGORIES	UNIT	C2	C3	C4	D
Global warming potential	[kg CO ₂ eq.]	2.15E-01	4.15E+00	7.65E+00	-5.83E+01
Depletion potential of the stratospheric ozone layer	[kg CFC 11 eq.]	0.00E+00	3.15E-07	8.41E-08	-4.66E-07
Acidification potential of soil and water	[kg SO ₂ eq.]	1.62E-03	1.96E-02	8.21E-03	-7.03E-02
Formation potential of tropospheric ozone	[kg Ethene eq.]	1.05E-04	2.40E-03	1.91E-03	-3.18E-02
Eutrophication potential	[kg (PO ₄) ³ - eq.]	2.87E-04	7.60E-03	2.45E-03	-5.37E-02
Abiotic depletion potential (ADP-elements) for non-fossil resources	[kg Sb eq.]	0.00E+00	7.05E-05	1.61E-05	-1.21E-03
Abiotic depletion potential (ADP-fossil fuels) for fossil resources	[MJ]	6.34E+00	6.23E+01	2.80E+01	-6.65E+02
Environmental	aspects on resource u	se: (DU) 1 storage furnit	ture (weight: 114,8 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]	4.44E-01	2.58E+02	2.62E+00	-7.84E+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]	6.66E+00	5.41E+01	2.32E+01	-6.30E+02
Use of secondary material	[kg]	0.00E+00	0.00E+00	0.00E+00	2.19E+01
Jse of renewable secondary fuels	[MJ]	3.33E-01	0.00E+00	0.00E+00	3.57E+02
Jse of non-renewable secondary fuels	[MJ]	0.00E+00	0.00E+00	0.00E+00	2.93E+01
Jse of net fresh water	[m³]	INA	INA	INA	INA
Other environmental infor	mation describing was	te categories: (DU) 1 st	orage furniture (weight	: 114,8 kg*)	
WASTES	Unit	C2	C3	C4	D
Hazardous waste disposed [kg]	[kg]	1.82E-06	5.48E-02	2.20E-05	-3.81E-03
Non-hazardous waste disposed [kg]	[kg]	1.69E-03	1.53E+00	3.30E+00	-2.12E+00
Radioactive waste disposed [kg]	[kg]	0.00E+00	2.60E-04	6.07E-05	-8.25E-03
Components for re-use [kg]	[kg]	0.00E+00	1.29E-01	0.00E+00	0.00E+00
Materials for recycling [kg]	[kg]	0.00E+00	1.27E+01	0.00E+00	-2.83E-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

	LE'	VITATE			
Enviro	nmental impacts: (DU)	1 storage furniture (we	eight: 29,8 kg*)		
IMPACT CATEGORIES	UNIT	A1	A2	A3	A1-A3
Global warming potential	[kg CO ₂ eq.]	-1.77E+01	1.36E+00	2.89E+01	1.25E+01
Depletion potential of the stratospheric ozone layer	[kg CFC 11 eq.]	3.10E-07	0.00E+00	0.00E+00	3.10E-07
Acidification potential of soil and water	[kg SO ₂ eq.]	7.95E-02	9.95E-03	1.64E-03	9.11E-02
Formation potential of tropospheric ozone	[kg Ethene eq.]	1.35E-02	7.18E-04	5.83E-03	2.01E-02
Eutrophication potential	[kg (PO ₄) ³ - eq.]	1.80E-02	5.55E-07	2.83E-04	1.83E-02
Abiotic depletion potential (ADP-elements) for non-fossil resources	[kg Sb eq.]	2.84E-03	0.00E+00	1.07E-04	2.95E-03
Abiotic depletion potential (ADP-fossil fuels) for fossil resources	[MJ]	3.35E+02	3.61E+01	2.66E+02	6.37E+02
Environmenta	l aspects on resource u	se: (DU) 1 storage furni	ture (weight: 29,8 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]	3.07E+02	2.53E+00	1.79E+01	3.27E+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]	3.62E+02	3.79E+01	2.80E+02	6.79E+02
Use of secondary material	[kg]	1.57E+01	0.00E+00	0.00E+00	1.57E+01
Jse of renewable secondary fuels	[MJ]	8.91E+01	1.89E+00	0.00E+00	9.10E+01
Use of non-renewable secondary fuels	[MJ]	6.13E-02	0.00E+00	0.00E+00	6.13E-02
Use of net fresh water	[m³]	INA	INA	INA	INA
Other environmental info	rmation describing was	te categories: (DU) 1 st	orage furniture (weight	: 29,8 kg*)	
WASTES	Unit	A1	A2	A3	A1-A3
Hazardous waste disposed [kg]	[kg]	2.50E-01	1.52E-07	5.97E-02	3.09E-01
Non-hazardous waste disposed [kg]	[kg]	1.02E+01	1.41E-04	3.79E-01	1.06E+01
Radioactive waste disposed [kg]	[kg]	1.49E-01	0.00E+00	0.00E+00	1.49E-01
Components for re-use [kg]	[kg]	5.95E-02	0.00E+00	0.00E+00	5.95E-02
Materials for recycling [kg]	[kg]	5.72E-02	0.00E+00	1.48E+01	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

	LE)	VITATE			
Enviro	nmental impacts: (DU)	1 storage furniture (we	ight: 29,8 kg*)		
MPACT CATEGORIES	UNIT	C2	C3	C4	D
Global warming potential	[kg CO ₂ eq.]	5.58E-02	8.37E-01	1.31E+00	-1.41E+01
Depletion potential of the stratospheric ozone layer	[kg CFC 11 eq.]	0.00E+00	6.42E-08	1.38E-08	-7.82E-08
cidification potential of soil and water	[kg SO ₂ eq.]	4.22E-04	3.51E-03	1.49E-03	-1.81E-02
formation potential of tropospheric ozone	[kg Ethene eq.]	2.72E-05	4.79E-04	3.21E-04	-6.34E-03
utrophication potential	[kg (PO ₄) ³ - eq.]	7.45E-05	1.38E-03	4.16E-04	-4.52E-03
Abiotic depletion potential (ADP-elements) for non-fossil esources	[kg Sb eq.]	0.00E+00	1.01E-05	2.66E-06	-3.33E-04
Abiotic depletion potential (ADP-fossil fuels) for fossil esources	[MJ]	1.65E+00	1.29E+01	5.26E+00	-1.61E+02
Environmenta	l aspects on resource u	se: (DU) 1 storage furni	ture (weight: 29,8 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]	1.15E-01	6.65E+01	4.73E-01	-1.82E+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]	1.73E+00	1.10E+01	4.27E+00	-1.51E+02
Use of secondary material	[kg]	0.00E+00	0.00E+00	0.00E+00	5.68E+00
Jse of renewable secondary fuels	[MJ]	8.64E-02	0.00E+00	0.00E+00	9.26E+01
Jse of non-renewable secondary fuels	[MJ]	0.00E+00	0.00E+00	0.00E+00	7.60E+00
Jse of net fresh water	[m³]	INA	INA	INA	INA
Other environmental info	rmation describing was	te categories: (DU) 1 st	orage furniture (weight	:: 29,8 kg*)	
WASTES	Unit	C2	C3	C4	D
lazardous waste disposed [kg]	[kg]	1.82E-06	2.04E-05	3.62E-06	-1.05E-03
Non-hazardous waste disposed [kg]	[kg]	1.69E-03	3.09E-01	5.41E-01	-6.55E-01
Radioactive waste disposed [kg]	[kg]	0.00E+00	5.90E-05	1.20E-05	-2.28E-03
Components for re-use [kg]	[kg]	0.00E+00	3.58E-02	0.00E+00	0.00E+00
Naterials for recycling [kg]	[kg]	0.00E+00	3.50E+00	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. 100/2020

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.

The basis for LCA analysis was ISO 14040 and ITB PCR A
Independent verification corresponding to ISO 14025 (subclause 8.1.3.)
X external internal
External verification of EPD: Ph.D. Eng. Halina Prejzner
LCA, LCI audit and input data verification: Ph.D. Eng. Justyna Tomaszewska, j.tomaszewska@itb.pl
Verification of LCA: Ph.D. Eng. Michał Piasecki, m.piasecki@itb.pl

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 productcategory of construction products
- >> PN-EN 15942:2012 Sustainability of construction works Environmental product declarations Communication format business-to-business
- >> KOBiZE Wskaźniki emisyjności CO₂, SO₂, NOx, CO i pyłu całkowitego dla energii elektrycznej, grudzień 2017

