

ENVIRONMENTAL PRODUCT DECLARATION

EPD Ref. No. 2025-0060-2

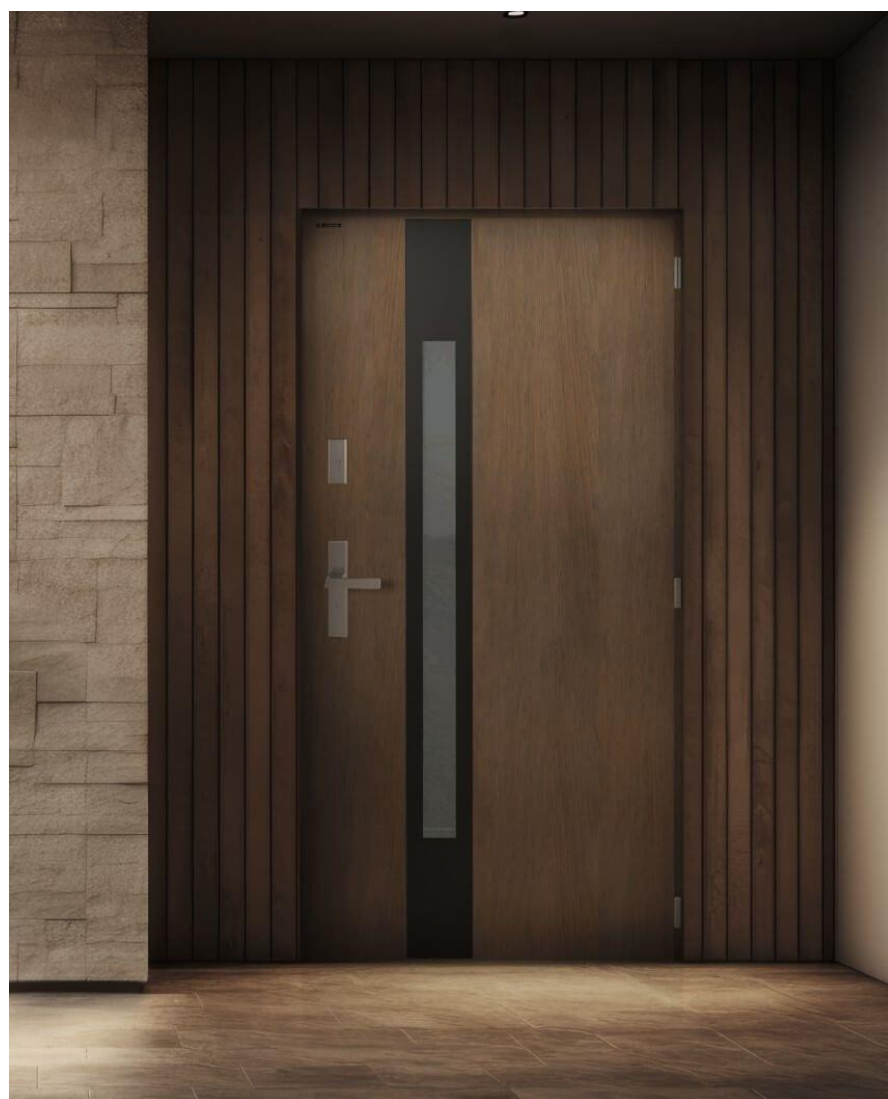


WIŚNIEWSKI

STEEL DOORS

Reference dimension 2,00 m x 2,18 m

In accordance with EN 15804+A2



OWNER OF THE EPD:

WIŚNIEWSKI Sp. z o.o. S.K.A.
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email: sekretariat@wisniowski.pl
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DATE OF ISSUE:

23-04-2025

VALIDITY DATE:

23-04-2030

Declared unit (DU): 1 m²



Contents

1. GENERAL INFORMATION.....	3
2. VERIFICATION	4
3. MANUFACTURER.....	5
4. DESCRIPTION AND CLASSIFICATION OF PRODUCTS	6
5. LIFE CYCLE ASSESSMENT (LCA) - RULES	18
5.1. DECLARED UNIT (DU)	18
5.2. ALLOCATION	18
5.3. SYSTEM BOUNDARIES	18
5.3.1. A1 – RAW MATERIALS SUPPLY	18
5.3.2. A2 – TRANSPORT TO THE PRODUCTION SITE	19
5.3.3. A3 – PRODUCTION	19
5.3.4. C1-C2 – DEMOLITION AND TRANSPORT.....	19
5.3.5. C3-C4 – WASTE PROCESSING AND MANAGEMENT	19
5.3.6. D – BENEFITS AND LOADS BEYOND THE SYTEM BOUNDARY.....	19
6. LIFE CYCLE ASSESSMENT (LCA) - RESULTS.....	21
7. REFERENCES	27



1. GENERAL INFORMATION

This Environmental Product Declaration (EPD) is developed in accordance with the European standard EN 15804 and ISO 14025. It contains the information on the impacts of the declared construction materials on the environment.

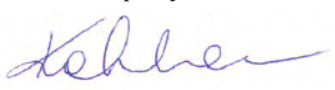
EPDs may not be comparable if they do not comply with the EN 15804 standard and if the core systems are not based on the same database.

Owner of the EPD	WIŚNIEWSKI Sp. z o.o. S.K.A. 33-311 Wielogłowy 153 NIP: 734-35-12-091 e-mail: sekretariat@wisniowski.pl www.wisniowski.pl
EPD program operator	CERTBUD Sp. z o.o. ul. Mokotowska 46 lok. 8, 00-543 Warszawa e-mail: biuro@certyfikacja-certbud.pl www.certyfikacja-certbud.pl
Declared product(s)	Steel doors standard sizes > 3,6 m ² - NOBE external door - NOVA external door - NEXIO external door - ENIRO internal door - ECO TECH door - ECO door - ECO BASIC door - ECO BASIC UNI door - Internal UTILITY door - External technical door DS, universal, DST
Declaration reference number	EPD Ref. No. 2025-0060-2
PCR	EN 15804:2012+A2:2019 EN 17213:2020
Date of issue	23-04-2025
Validity date	23-04-2030
Declared unit	1 m ²
Life cycle analysis (LCA)	A1-A3, C1-C4, D modules
Service Life	30 years
Reason for performing LCA	Bussines-to-bussines
Representativeness	Polish product, 2024



2. VERIFICATION

This Environmental Product Declaration (EPD) has been verified in accordance with ISO14025 and is valid for 5 years from the date of issue if the underlying data have not changed significantly.

CEN EN 15804 standard serves as the main PCR document.
Independent verification corresponding to ISO 14025:2010 ☐ Internal ☒ External
Third party verifier:  Monika Kotkiewicz, CERTBUD Sp. z o.o.
External verification of EPD: Monika Kotkiewicz, CERTBUD Sp. z o. o. Input data verification, LCA: Krzysztof Bałkowiec, TBF Systemy Jakości Verification of LCA: Dominika Młot, CERTBUD Sp. z o. o.



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DYREKTOR ZAKŁADU CERTYFIKACJI
CERTBUD Sp. z o.o.
00-543 Warszawa, ul. Mokotowska 46 lok. II

3. MANUFACTURER

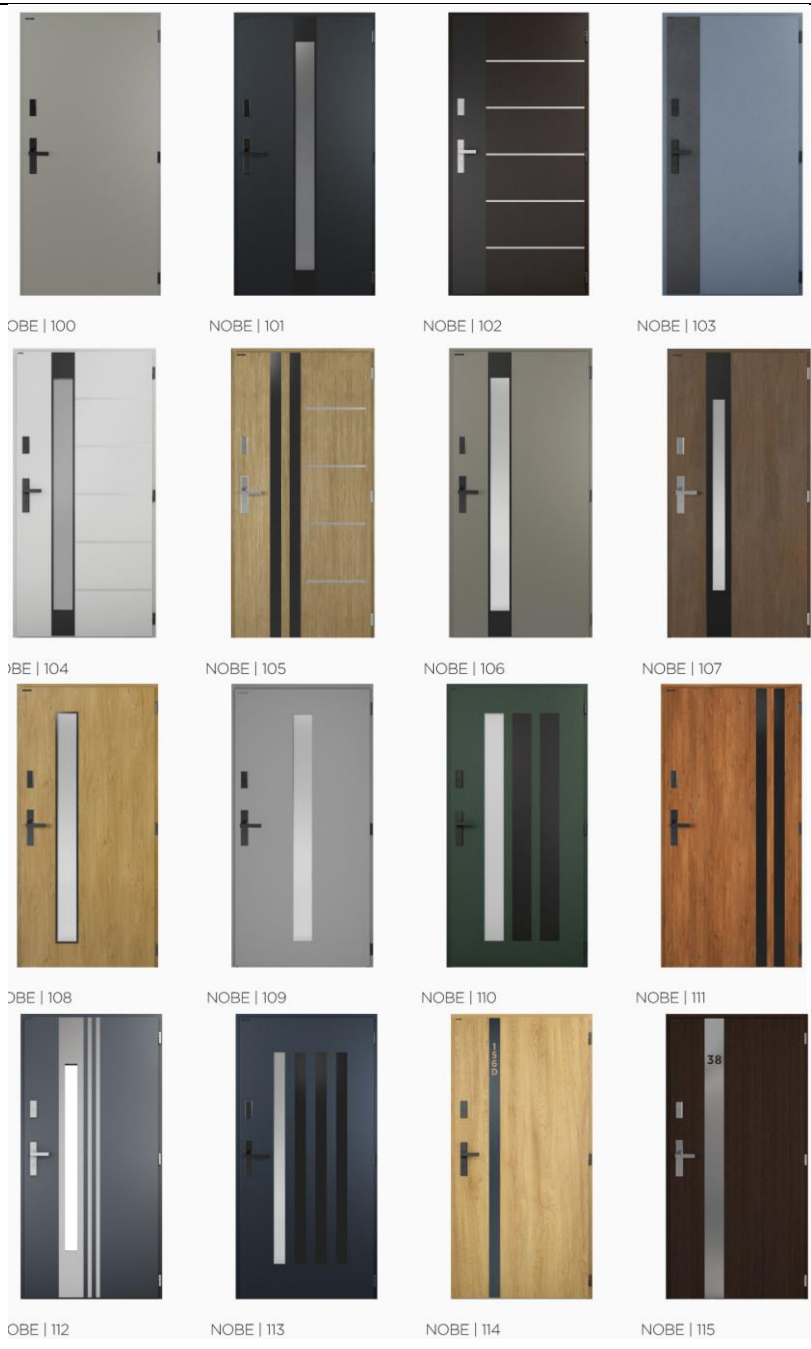
WIŚNIEWSKI is a Polish manufacturer of sectional garage doors, steel and aluminum doors and windows (including external and industrial doors) and residential and industrial fences, established in 1989. The company consists of three plants located in Wielogłowy, which manufacture garage doors, fences and joinery. WIŚNIEWSKI has nearly 2,500 sales points throughout Europe, 27,000 m² of production space and employs as many as 2,000 people.



Figure 3.1: WIŚNIEWSKI Sp. z o.o. S.K.A. production plant in Wielogłowy (Poland)



4. DESCRIPTION AND CLASSIFICATION OF PRODUCTS

Type of steel door	Variants
 External doors NOBE NOBE external doors with aluminium frame – opening outwards or inwards with or without glazing. Trade names: - NEX SOLID - NEX VITRE - TITANIUM - THOR - THUNDER - ULTRON - TARGO - TENDO - TROPO	 NOBE 100 NOBE 101 NOBE 102 NOBE 103 NOBE 104 NOBE 105 NOBE 106 NOBE 107 NOBE 108 NOBE 109 NOBE 110 NOBE 111 NOBE 112 NOBE 113 NOBE 114 NOBE 115



External doors

NOVA

NOVA external doors with aluminium frame – opening outwards or inwards with or without glazing.

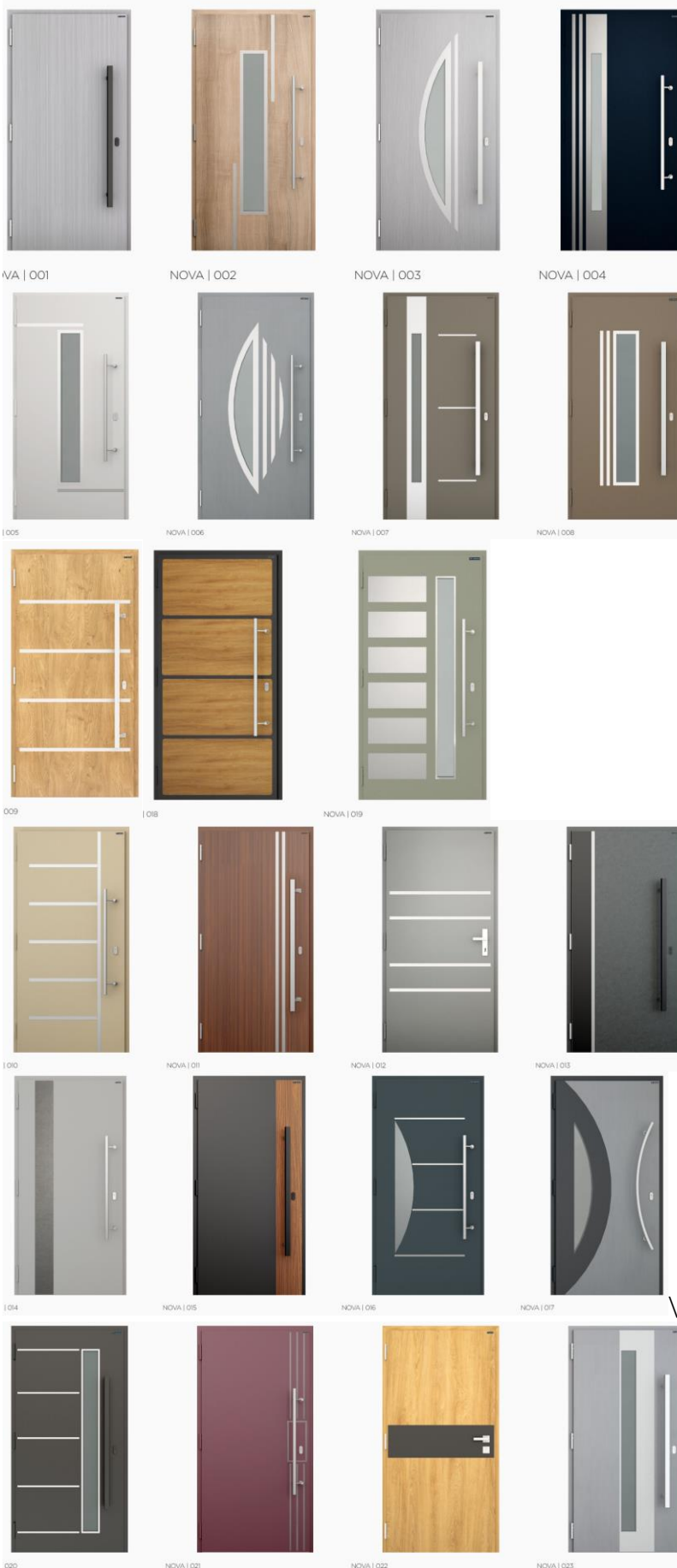
Trade names:

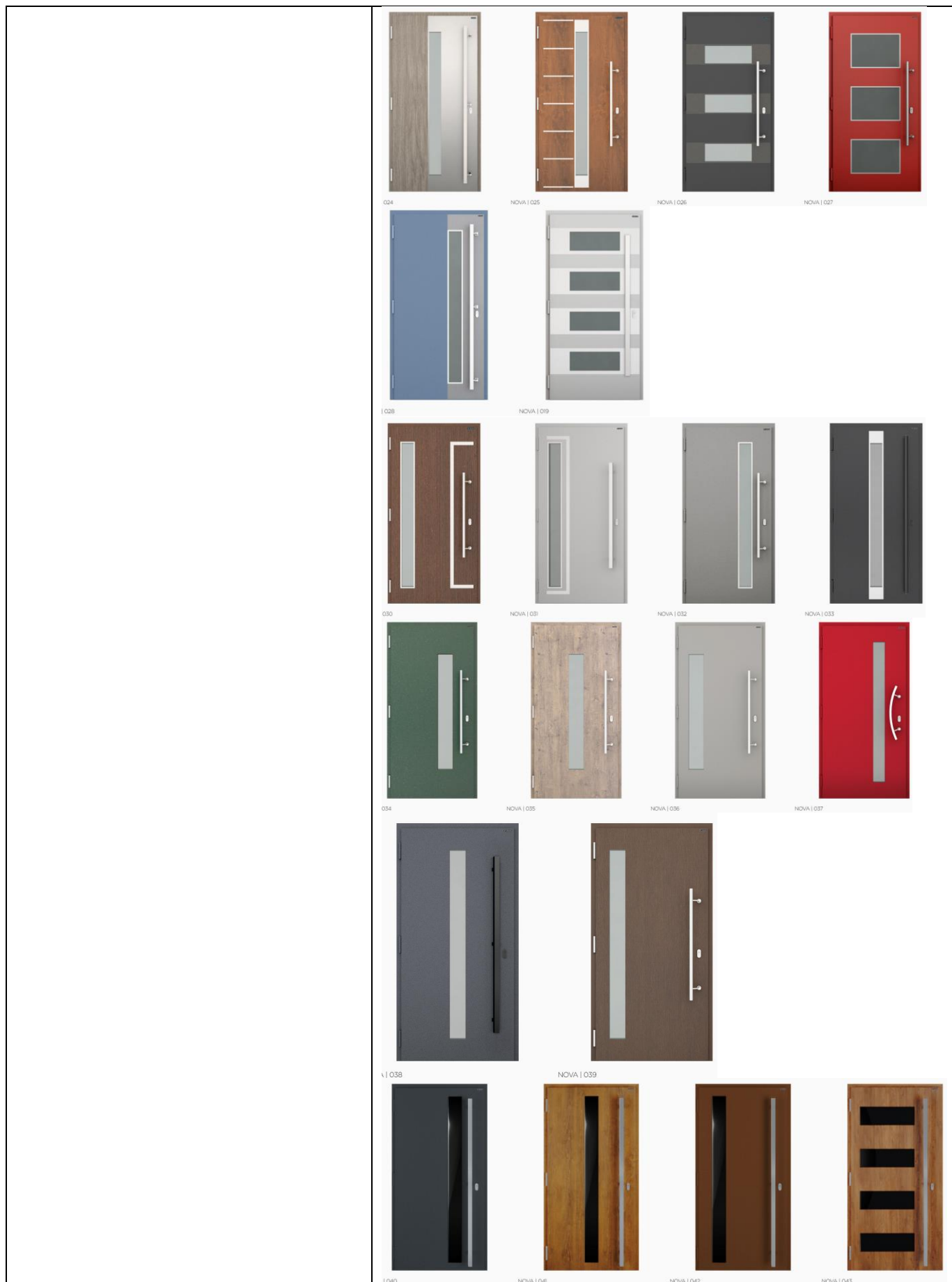
NOVIA pełne

NOVIA przeszklone

NOVIA SOLID

NOVIA VITRE







Sidelights and overhead lights (elements
in separate frames)

Wariant I – doświetlenie prawe
(PD)



Wariant II – doświetlenie lewe
(LD)



Wariant III – doświetlenie prawe + lewe
(PD+LD)



Wariant IV – górne naświetlenie
(GD)



Wariant V – doświetlenie prawe
+ górne naświetlenie (PD+GD)



Wariant VI – doświetlenie lewe
+ górne naświetlenie (LD+GD)



Wariant VII – doświetlenie prawe + lewe
+ górne naświetlenie (PD+LD+GD)



External doors
NEXIO



NEXIO | 201



NEXIO | 202



NEXIO | 203



NEXIO | 204



NEXIO external doors with PVC frame -
 opening outwards or inwards with or
 without glazing.
 Trade names:
 NIVIA



NEXIO | 205



NEXIO | 206



NEXIO | 207



NEXIO | 208



NEXIO | 209

Wariant I - doświetlenie prawe (PD)



Wariant II - doświetlenie lewe (LD)



Wariant III - doświetlenie prawe + lewe (PD+LD)



Inter-unit doors without fire resistance
 and with fire resistance with wooden
 board front ENIRO / AVERY



Drzwi jednoskrzydłowe
 stalowe płaszczowe
 przeciwpożarowe
 wewnętrzne



Steel doors ECO TECH



Drzwi jednoskrzydłowe
stalowe płaszczone
ECO TECH



Drzwi jednoskrzydłowe
stalowe płaszczone
ECO TECH z przeszkle-
niem 300 x 700 [mm]



Drzwi jednoskrzydłowe
stalowe płaszczone
ECO TECH z przeszkle-
niem 450 x 660 [mm]



Drzwi jednoskrzydłowe
stalowe płaszczone
ECO TECH z przeszkle-
niem 650 x 950 [mm]



Drzwi jednoskrzydłowe
stalowe płaszczone
ECO TECH z przeszkle-
niem 550 x 1100 [mm]



Drzwi jednoskrzydłowe
stalowe płaszczone
ECO TECH z przeszkle-
niem 250 x 1400 [mm]



Drzwi jednoskrzydłowe
stalowe płaszczone
ECO TECH z przeszkle-
niem Ø 400 [mm]



Drzwi jednoskrzydłowe
stalowe płaszczone
ECO TECH wzór MS1



Drzwi jednoskrzydłowe
stalowe płaszczone
ECO TECH wzór MS2



Drzwi jednoskrzydłowe
stalowe płaszczone
ECO TECH wzór MS3



Drzwi jednoskrzydłowe
stalowe płaszczone
ECO TECH wzór MS4



Drzwi jednoskrzydłowe
stalowe płaszczone
ECO TECH wzór MS5



Drzwi jednoskrzydłowe
stalowe płaszczone
ECO TECH z kratką
wentylacyjną stalową
425 x 125 [mm]



	Drzwi jednoskrzydłowe stalowe płaszczowe ECO TECH z kratką wentylacyjną stalową 525 x 225 [mm] Drzwi jednoskrzydłowe stalowe płaszczowe ECO TECH z kratką wentylacyjną stalową 525 x 625 [mm] Drzwi jednoskrzydłowe stalowe płaszczowe ECO TECH z kratką wentylacyjną stalową 625 x 625 [mm] Drzwi jednoskrzydłowe stalowe płaszczowe ECO TECH z kratką wentylacyjną stalową 825 x 825 [mm] Drzwi jednoskrzydłowe stalowe płaszczowe ECO TECH z uchwytem P10 fi 30 inox L = 1200 [mm] Drzwi jednoskrzydłowe stalowe płaszczowe ECO TECH z uchwytem P10 fi 30 inox L = 1600 [mm] Drzwi jednoskrzydłowe stalowe płaszczowe ECO TECH z uchwytem Q10 40 x 20 inox L = 1200 [mm] Drzwi jednoskrzydłowe stalowe płaszczowe ECO TECH z uchwytem Q10 40 x 20 inox L = 1600 [mm]
 Steel doors ECO Steel doors ECO ECO-WIŚNIEWSKI Technical 60	Drzwi jednoskrzydłowe stalowe płaszczowe ECO Drzwi jednoskrzydłowe stalowe płaszczowe ECO z przeszkleniem 300 x 700 [mm] Drzwi jednoskrzydłowe stalowe płaszczowe ECO z przeszkleniem 450 x 660 [mm] Drzwi jednoskrzydłowe stalowe płaszczowe ECO z przeszkleniem 650 x 950 [mm] Drzwi jednoskrzydłowe stalowe płaszczowe ECO z przeszkleniem 550 x 1100 [mm] Drzwi jednoskrzydłowe stalowe płaszczowe ECO z przeszkleniem Ø 400 [mm] Drzwi jednoskrzydłowe stalowe płaszczowe ECO z otworami wentylacyjnymi o powierzchni czynnej 0,022 m² Drzwi jednoskrzydłowe stalowe płaszczowe ECO z kratką wentylacyjną aluminiową 480 x 80 [mm]



Drzwi jednoskrzydłowe
stalowe płaszczone
ECO z kratką wentyla-
cyjną stalową
425 x 125 [mm]



Drzwi jednoskrzydłowe
stalowe płaszczone
ECO z kratką wentyla-
cyjną stalową
525 x 225 [mm]



Drzwi jednoskrzydłowe
stalowe płaszczone
ECO z kratką wentyla-
cyjną stalową
525 x 625 [mm]



Drzwi jednoskrzydłowe
stalowe płaszczone
ECO z kratką wentyla-
cyjną stalową
625 x 625 [mm]



Drzwi jednoskrzydłowe
stalowe płaszczone
ECO z kratką wentyla-
cyjną stalową
825 x 825 [mm]



Drzwi dwuskrzydłowe stalowe płaszczone
ECO



Drzwi dwuskrzydłowe stalowe płaszczone
ECO z przeszkleniem 300 x 700 [mm]



Drzwi dwuskrzydłowe stalowe płaszczone
ECO z przeszkleniem 550 x 1100 [mm]



Drzwi dwuskrzydłowe stalowe płaszczone
ECO z przeszkleniem Ø 400 [mm]



Drzwi dwuskrzydłowe stalowe płaszczowe
ECO z otworami wentylacyjnymi o powierzchni
czynnej 0,022 m²



Drzwi dwuskrzydłowe stalowe płaszczowe
ECO z kratką wentylacyjną aluminiową
480 x 80 [mm]



Drzwi dwuskrzydłowe stalowe płaszczowe
ECO z kratką wentylacyjną stalową
425 x 125 [mm]



Drzwi dwuskrzydłowe stalowe płaszczowe
ECO z kratką wentylacyjną stalową
525 x 225 [mm]



Drzwi dwuskrzydłowe stalowe płaszczowe
ECO z kratką wentylacyjną stalową
525 x 625 [mm]



Drzwi dwuskrzydłowe stalowe płaszczowe
ECO z kratką wentylacyjną stalową
625 x 625 [mm]



Drzwi dwuskrzydłowe stalowe płaszczowe ECO z kratką
wentylacyjną stalową 825 x 825 [mm]



Steel doors ECO

ECO steel jacket doors with sidelights
ECO-WIŚNIEWSKI



Drzwi jednoskrzydłowe stalowe płaszczowe ECO - doświetlenie prawe (PD)



Drzwi jednoskrzydłowe stalowe płaszczowe ECO - doświetlenie lewe (LD)



Drzwi jednoskrzydłowe stalowe płaszczowe ECO - doświetlenie prawe + lewe (PD + LD)



Drzwi jednoskrzydłowe stalowe płaszczowe ECO - nadświetlenie górne (GD)



Drzwi jednoskrzydłowe stalowe płaszczowe ECO - doświetlenie prawe + nadświetlenie górne (PD + GD)



Drzwi jednoskrzydłowe stalowe płaszczowe ECO - doświetlenie lewe + nadświetlenie górne (LD + GD)



Drzwi jednoskrzydłowe stalowe płaszczowe ECO - doświetlenie prawe + lewe + nadświetlenie górne (PD + LD + GD)



Drzwi dwuskrzydłowe stalowe płaszczowe ECO - doświetlenie prawe + lewe + nadświetlenie górne (PD + LD + GD)



Steel doors ECO BASIC

Steel doors ECO BASIC

Technical 40



Drzwi jednoskrzydłowe
stalowe płaszczowe
ECO BASIC

Drzwi jednoskrzydłowe
stalowe płaszczowe
ECO BASIC z otworami
wentylacyjnymi o
powierzchni czynnej
0,022 m²

Drzwi jednoskrzydłowe
stalowe płaszczowe
ECO BASIC z kratką
wentylacyjną aluminiową
480 x 80 [mm]

Drzwi jednoskrzydłowe
stalowe płaszczowe
ECO BASIC z tulejami
wentylacyjnymi



Drzwi jednoskrzydłowe
stalowe płaszczowe
ECO BASIC wzór 1
z przeszkleniem

Drzwi jednoskrzydłowe
stalowe płaszczowe
ECO BASIC wzór 2
z przeszkleniem

Drzwi jednoskrzydłowe
stalowe płaszczowe
ECO BASIC wzór 3
z przeszkleniem
i uchwytem Q10 40x20
inox L = 1600 [mm]

Drzwi jednoskrzydłowe
stalowe płaszczowe
ECO BASIC z uchwy-
tem P10 fi 30 inox
L = 1200 [mm]



Drzwi jednoskrzydłowe
stalowe płaszczowe
ECO BASIC z uchwy-
tem Q10 40x20 inox
L = 1200 [mm]

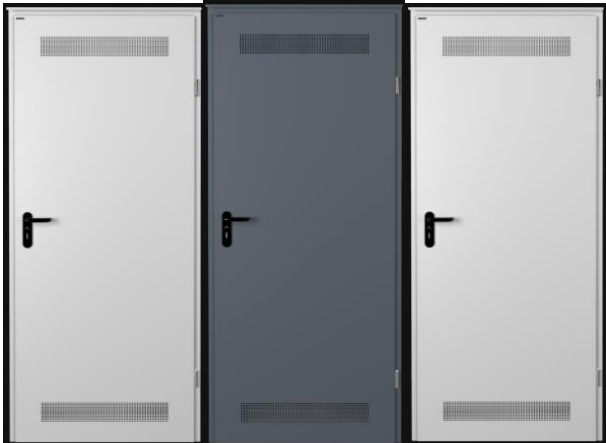


Steel doors ECO BASIC UNI



Drzwi jednoskrzydłowe
stalowe płaszczowe



ECO BASIC UNI, Technical UNI		
 Internal for storage units UTILITY		
 External technical doors DS Universal and DST	 Drzwi techniczne stalowe DS Uniwersalne. Wypełnienie pionowe.	 Drzwi techniczne stalowe DST. Wypełnienie pionowe niskie.

Weight [kg/m ²]	Material composition
< 17	Steel 87,5% Building hardware 6,8% Styrofoam 4,6% Additional materials 1,1%
< 46	Steel 53,3% Building hardware 1,9% Mineral wool 39,2% Additional materials 5,6%

5. LIFE CYCLE ASSESSMENT (LCA) - RULES

5.1. DECLARED UNIT (DU)

The declaration refers to declared unit – 1 m² of steel doors standard sizes > 3,6 m² reference dimension 2,00 m x 2,18 m manufactured by WIŚNIEWSKI Sp. z o.o. S.K.A. located in Wielogłowy 153, Poland.

5.2. ALLOCATION

The allocation rules used for this EPD are based on EN 15804+A2. production of steel doors takes place in one production plant of WIŚNIEWSKI Sp. z o.o. S.K.A. in Wielogłowy, Poland.

5.3. SYSTEM BOUNDARIES

The system limits for the environmental characteristics of steel doors are shown in figure 5.1. Data used in LCA calculation were declared by manufacturer and reflected the actual status of the year 2024.

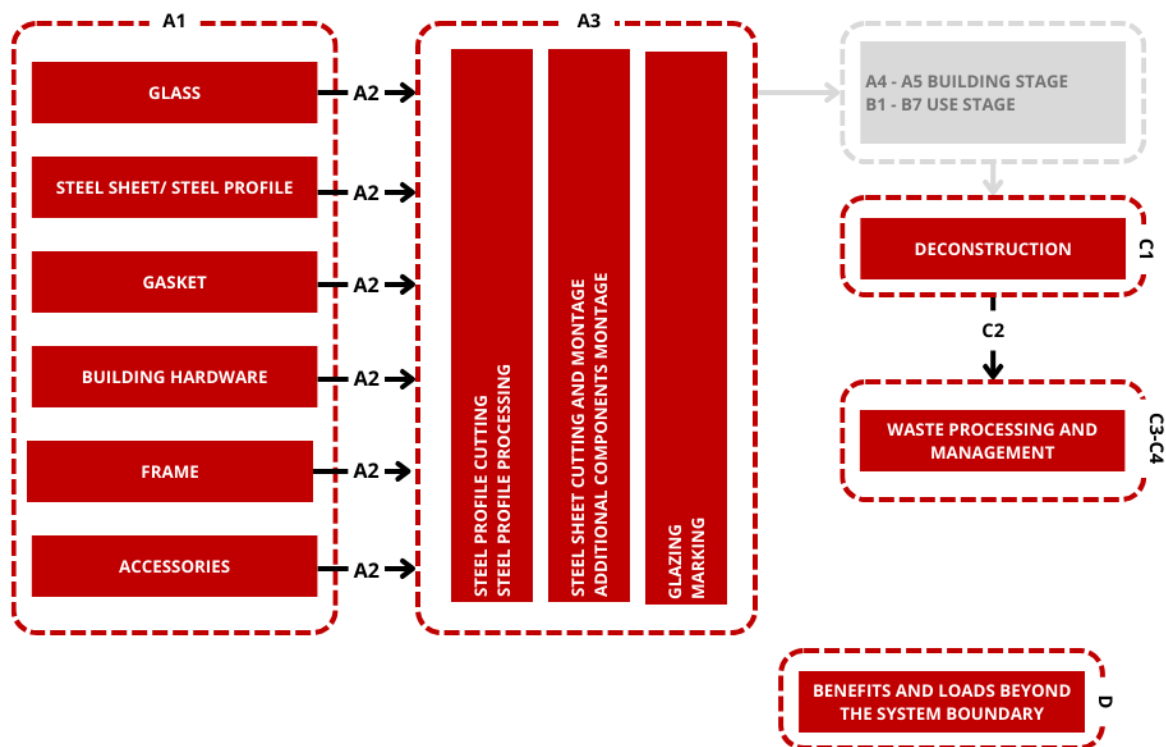


Figure 5.1: System boundaries

This Environmental Product Declaration includes a life cycle assessment (LCA) for the Cradle-to-Gate, with modules C1-C4, D according to EN 15804+A2. Modules A4-A5, B1-B7 are not declared.

Impacts from the global line production were inventoried and 8,58% were allocated to the production of steel doors in terms of annual production volume expressed in m².

5.3.1. A1 – RAW MATERIALS SUPPLY

This module takes into account the extraction and processing of all raw materials, as well as Energy consumption. The extraction and consumption of raw materials refers to specific mass shares in the production process per unit of declared product. Raw materials for the production of components of steel doors come from Polish and foreign suppliers.

5.3.2. A2 – TRANSPORT TO THE PRODUCTION SITE

Raw materials are transported to the production plant from Polish and foreign suppliers. Distances from the place of obtaining raw materials to the production plant are individual for each raw material. The means of transport were diversified depending on the method of delivery of raw materials. The adopted model includes road transport (average values) for each raw material. For calculation purposes European fuel averages are applied in module A2.

5.3.3. A3 – PRODUCTION

Module A3 covers all production-related process – including the steel door components production, their packaging and internal transport.

A schematic of the production line for steel door at WIŚNIEWSKI Sp. z o.o. S.K.A. is shown in Fig.5.2.

This module takes into account energy consumption and waste generated in the production plant, as well as losses generated in the production process.

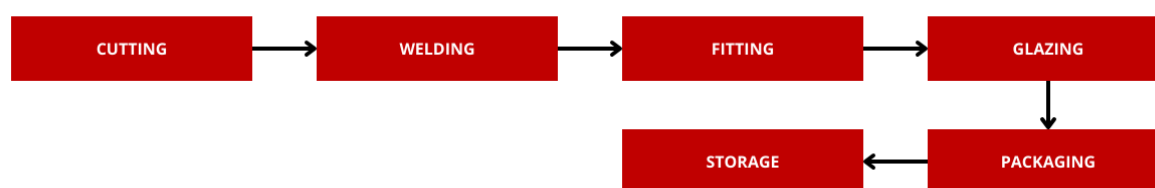


Figure 5.2: Production process

5.3.4. C1-C2 – DEMOLITION AND TRANSPORT

The end of life stage commence with demolition. C1 module covers object's deconstruction within selective waste collection at deconstruction location (tab. 5.1).

C2 module is the beginning of waste treatment and describe waste transport. It was assumed that waste transport carried out to waste management plant and landfill (tab. 5.1). For calculation purposes European fuel averages are applied.

5.3.5. C3-C4 – WASTE PROCESSING AND MANAGEMENT

For the purpose of life cycle analysis, scenarios were developed for modules C3 and C4. In C3 module was assumed that 30% of waste glass is recycled and 75% of non glass materials is recovered, including recycling and energy recovery. The remaining materials will undergo landfilling (tab.5.1.).

Table 5.1: End of life scenario for steel doors

Module	Assumption
C1	0,4 MJ/m² – caloric value of diesel
C2	50 km – landfill 50 km – waste management plant
C3	30% - glass recycling 95% - non-glass materials recovery
C4	70% - glass landfilling 5% - non-glass materials landfilling

5.3.6. D – BENEFITS AND LOADS BEYOND THE SYTEM BOUNDARY

Module D describe the environmental benefits and loads of reuse, recycling and energy recovery of waste materials at the end of life.

In the adapted scenario, 30% of glass and 95% of non-glass materials are recovered, including recycling and energy recovery. Among the recovered materials, 100% of glass and metals are recycled and 100% of plastics are incinerated with energy recovery.



DATA COLLECTION PERIOD	The data regarding the production of products refer to period from 01.01.2024 to 31.12.2024
DATA QUALITY	The values determined to calculate the LCA originate from verified WIŚNIEWSKI Sp. z o.o. S.K.A. inventory data. The LCA analysis uses data prepared based on actual consumption at the production site. The details collected are no more than two years old.
CALCULATION RULES	The impacts of the representative WIŚNIEWSKI Sp. z o.o. S.K.A. products were aggregated using weighted average. The weighted average method was used according to the percentage of each product in steel doors based on the relations to whole production quantity. Impacts were calculated for all steel door reference dimension 2,00 m x 2,18 m and are shown in Tables 6.3, 6.4. The LCA analysis was conducted in accordance with the EN 15804+A2.
CUT-OFF CRITERIA	All-important parameters from collected production data, i.e. all materials used by recipe, electricity consumed, internal fuel consumption and thermal energy, direct production waste, and the results of all available emission measurements were included in the calculations. In accordance with EN 15804, machinery and equipment (capital assets) needed for and during production, as well as the transportation of production facility employees, were not included. The sum of the omitted total mass flows does not exceed 1% and excluded consumption of renewable and non-renewable primary energy is no more than 1% according to EN 15804+A2.
BACKGROUND DATA	The main source of general and auxiliary data is the Ecoinvent 3.9 database.



6. LIFE CYCLE ASSESSMENT (LCA) - RESULTS

Life cycle assessment (LCA) of this environmental declaration covers A1-A3, C1-C4, D modules („cradle to gate” with C1-C4, D). Tabel 6.1. shows the LCA modules considered in calculating the environmental impact categories for the products covered by this declaration.

Table 6.1: Modules defined and not declared in system boundaries

Product stage			Construction process stage		Use stage							End of life stage				
A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
Raw material supply	Transport	Manufacturing	Transport	Construction installation	Use stage	Maintenance	Repair	Replacement	Refurbishment	Operational energy use	Operational water use	De-construction demolition	Transport	Waste processing	Disposal	Reuse, recovery, recycling potential
X	X	X	MND	MND	MND	MND	MND	MND	MND	MND	MND	X	X	X	X	X

X – modules defined

MND – modules not declared

Indicators describing environmental impact of product can be categorized as general environmental impacts, additional impacts and environmental aspects related to resources. The abbreviations and its explanations used to describe the environmental impact of steel door standard sizes > 3,6 m² are shown below (tab. 6.2).

The tables 6.3, 6.4. present the results of the LCA analysis for steel door products.

Table 6.2: Abbreviations and its explanations used in LCA analysis

ENVIRONMENTAL IMPACT INDICATORS	
GWP-total	Global Warming Potential – total
GWP-fossil	Global Warming Potential - fossil
GWP-biogenic	Global Warming Potential - biogenic
GWP-luluc	Global Warming Potential - land use and land use change
ODP	Stratospheric ozone depletion potential
AP	Soil and water acidification potential
EP-freshwater	Eutrophication potential - freshwater
EP-marine	Eutrophication potential - seawater
EP-terrestrial	Eutrophication potential - terrestrial



POCP	Potential for photochemical ozone synthesis
ADP-minerals & metals*	Potential for depletion of abiotic resources - non-fossil resources
ADP-fossil*	Abiotic depletion potential – fossil fuels
WDP	Water deprivation potential

ENVIRONMENTAL ASPECTS RELATED TO RESOURCE INDICATORS

PERE	Use of renewable primary energy excluding renewable primary energy resources used as raw materials
PERM	Use of renewable primary energy resources used as raw materials
PERT	Total use of renewable primary energy resources
PEN-RE	Use of non-renewable primary energy excluding non-renewable primary energy resources used as raw materials
RE	Use of non-renewable primary energy resources used as raw materials
PENRT	Total use of non-renewable primary energy resources
SM	Use of secondary material
RSF	Use of renewable secondary fuels
NRSF	Use of non-renewable secondary fuels
FW	Use of net fresh water

ENVIRONMENTAL INFORMATION DESCRIBING WASTE CATEGORIES INDICATORS

HWD	Hazardous waste disposed
NHWD	Non-hazardous waste disposed
RWD	Radioactive waste disposed
CRU	Components for reuse
MFR	Materials for recycling
MER	Materials for energy recovery
EEE	Exported electrical energy
EET	Exported thermal energy

ADDITIONAL ENVIRONMENTAL IMPACTS INDICATORS

PM	Particulate matter
IRP**	Potential human exposure efficiency relative to U235
ETP-fw*	Potential comparative toxic unit for ecosystems
HTP-c*	Potential comparative toxic unit for humans (cancer effects)
HTP-nc*	Potential comparative toxic unit for humans (non-cancer effects)
SQP*	Potential soil quality index

*The results should be used with caution because there is high uncertainty or limited experience with this indicators.

**Apply mainly the possible impact of the nuclear fuel cycle on human health resulting from low ionizing radiation.

ENVIRONMENTAL PRODUCT DECLARATION
STEEL DOORS ref. dim. 2,00 m x 2,18 m

Table 6.3: LCA analysis results for steel doors weight < 17 kg/m² for standard sizes > 3,6 m²

Results per 1 m ² : steel doors weight < 17 kg/m ²										
ENVIRONMENTAL IMPACTS										
PARAMETER	UNIT	A1	A2	A3	A1-A3	C1	C2	C3	C4	D
GWP-total	eq. kg CO ₂	4.93E+01	1.33E+00	1.93E+01	7.00E+01	3.57E-03	8.79E-02	4.07E-01	1.12E-02	-1.40E+01
GWP-fossil	eq. kg CO ₂	4.94E+01	1.33E+00	1.85E+01	6.93E+01	3.57E-03	8.77E-02	4.13E-01	1.12E-02	-1.40E+01
GWP-biogenic	eq. kg CO ₂	-1.40E-01	1.16E-03	7.54E-01	6.15E-01	7.72E-07	6.72E-05	-6.94E-03	6.78E-06	5.34E-02
GWP-luluc	eq. kg CO ₂	5.50E-02	6.91E-04	5.49E-03	6.12E-02	4.01E-07	4.28E-05	5.91E-04	3.45E-06	-3.10E-04
ODP	eq. kg CFC 11	1.34E-06	2.89E-08	2.29E-07	1.60E-06	5.67E-11	1.99E-09	6.62E-09	1.57E-10	-2.51E-07
AP	mol H ⁺	2.61E-01	2.88E-03	9.65E-02	3.60E-01	3.31E-05	2.17E-04	4.56E-03	4.16E-05	-6.78E-02
EP-freshwater	eq. kg P	1.69E-02	9.97E-05	1.43E-02	3.13E-02	1.10E-07	6.48E-06	2.37E-04	4.94E-07	-1.06E-02
EP-marine	eq. kg N	5.08E-02	7.09E-04	1.67E-02	6.83E-02	1.53E-05	5.92E-05	1.07E-03	6.19E-05	-1.29E-02
EP-terrestrial	eq. mol N	5.25E-01	7.19E-03	1.48E-01	6.80E-01	1.67E-04	6.08E-04	1.20E-02	1.70E-04	-1.27E-01
POCP	eq. kg NMVOC	2.21E-01	4.40E-03	5.05E-02	2.76E-01	4.93E-05	3.55E-04	3.60E-03	6.07E-05	-6.50E-02
ADP-minerals & metals*	eq. kg Sb.	1.85E-03	4.89E-06	5.31E-05	1.91E-03	1.28E-09	2.51E-07	2.48E-05	8.32E-09	-9.92E-06
ADP-fossil*	MJ	5.87E+02	1.89E+01	2.37E+02	8.43E+02	4.70E-02	1.34E+00	5.70E+00	1.37E-01	-1.32E+02
WDP	eq. m ³	2.11E+01	9.80E-02	2.86E+00	2.41E+01	1.16E-04	6.89E-03	9.42E-02	4.60E-04	-2.57E+00
ENVIRONMENTAL ASPECTS RELATED TO RESOURCES										
PERE	MJ	4.96E+01	3.29E-01	4.49E+01	9.48E+01	2.66E-04	1.95E-02	8.63E-01	1.29E-03	-1.86E+00
PERM	MJ	2.10E+00	0.00E+00	0.00E+00	2.10E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PERT	MJ	5.16E+01	3.29E-01	4.49E+01	9.68E+01	2.66E-04	1.95E-02	8.63E-01	1.29E-03	-1.86E+00
PEN-RE	MJ	5.71E+02	1.73E+01	2.31E+02	8.18E+02	4.28E-02	1.23E+00	5.37E+00	1.25E-01	-1.31E+02
PENRM	MJ	1.74E+01	1.63E+00	6.45E+00	2.55E+01	4.29E-03	1.16E-01	3.40E-01	1.23E-02	-8.70E-01
PENRT	MJ	5.87E+02	1.89E+01	2.37E+02	8.43E+02	4.70E-02	1.34E+00	5.71E+00	1.37E-01	-1.32E+02
SM	MJ	7.14E+00	2.32E-02	7.52E-01	7.92E+00	2.72E-05	1.34E-03	1.55E+01	6.61E-05	6.81E+00
RSF	MJ	3.04E-01	6.78E-03	4.14E-01	7.24E-01	3.00E-06	3.27E-04	1.15E-02	1.30E-05	1.19E-02
NRSF	MJ	1.21E+00	2.05E-02	1.42E+00	2.66E+00	8.10E-06	6.79E-04	1.29E-02	3.38E-05	-4.74E-01
FW	m ³	1.97E-01	2.40E-03	3.88E-01	5.88E-01	2.52E-06	1.79E-04	2.83E-03	1.41E-04	-1.63E-01

ENVIRONMENTAL PRODUCT DECLARATION
STEEL DOORS ref. dim. 2,00 m x 2,18 m

ENVIRONMENTAL INFORMATION DESCRIBING WASTE CATEGORIES

HWD	kg	1.12E+01	1.81E-02	4.86E-01	1.17E+01	3.91E-05	1.26E-03	2.39E-02	1.03E-04	1.17E+00
NHWD	kg	7.65E+00	8.16E-01	9.89E-01	9.46E+00	2.90E-05	1.15E-01	9.29E-01	8.64E-01	-3.11E-01
RWD	kg	1.14E-03	7.09E-06	1.06E-04	1.25E-03	5.12E-09	4.06E-07	1.13E-05	2.27E-08	1.45E-04
CRU	kg	1.80E-20	-8.27E-22	-2.41E-22	1.70E-20	-3.59E-25	-2.55E-23	1.43E-22	1.13E-23	-2.26E-20
MFR	kg	5.21E+00	2.10E-02	7.52E-01	5.98E+00	2.24E-05	1.16E-03	2.38E-02	5.30E-05	-2.18E+00
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
EEE	MJ	7.63E-03	0.00E+00	0.00E+00	7.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
EET	MJ	5.06E-02	0.00E+00	0.00E+00	5.06E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

ADDITIONAL IMPACTS

PM	Disease incidence	3.98E-06	9.03E-08	9.33E-07	5.01E-06	9.22E-10	8.69E-09	7.05E-08	9.08E-10	-5.47E-07
IRP**	eq. kBq U235	1.94E+00	2.90E-02	4.30E-01	2.40E+00	2.22E-05	1.68E-03	4.44E-02	9.66E-05	5.54E-01
ETP-fw*	CTUe	7.95E+02	9.48E+00	5.41E+01	8.58E+02	2.23E-02	6.41E-01	4.41E+00	7.26E-02	-1.40E+01
HTTP-c*	CTUh	3.00E-07	6.27E-10	7.80E-09	3.08E-07	1.09E-12	3.92E-11	6.21E-10	2.49E-12	1.26E-07
HTTP-nc*	CTUh	1.89E-06	1.33E-08	2.56E-07	2.16E-06	7.68E-12	9.59E-10	2.78E-08	4.09E-11	-7.80E-08
SQP*	dimensionless	1.86E+02	1.03E+01	1.82E+02	3.78E+02	3.14E-03	1.35E+00	1.01E+01	2.74E-01	-2.26E+01

ENVIRONMENTAL PRODUCT DECLARATION
STEEL DOORS ref. dim. 2,00 m x 2,18 m

Table 6.4: LCA analysis results for steel doors weight < 46 kg/m² for standard sizes > 3,6 m²

Results per 1 m2: steel doors weight < 46 kg/m ²										
ENVIRONMENTAL IMPACTS										
PARAMETER	UNIT	A1	A2	A3	A1-A3	C1	C2	C3	C4	D
GWP-total	eq. kg CO2	9.98E+01	3.64E+00	1.93E+01	1.23E+02	3.57E-03	2.30E-01	9.98E-01	3.82E-02	-2.96E+01
GWP-fossil	eq. kg CO2	1.00E+02	3.63E+00	1.85E+01	1.23E+02	3.57E-03	2.30E-01	1.01E+00	3.80E-02	-2.98E+01
GWP-biogenic	eq. kg CO2	-6.31E-01	3.16E-03	7.54E-01	1.26E-01	7.72E-07	1.76E-04	-1.53E-02	1.79E-04	1.26E-01
GWP-luluc	eq. kg CO2	9.00E-02	1.91E-03	5.49E-03	9.74E-02	4.01E-07	1.12E-04	1.36E-03	2.24E-05	-2.64E-04
ODP	eq. kg CFC 11	2.22E-06	7.91E-08	2.29E-07	2.53E-06	5.67E-11	5.21E-09	1.69E-08	9.81E-10	-5.52E-07
AP	mol H+	5.28E-01	7.86E-03	9.65E-02	6.32E-01	3.31E-05	5.68E-04	1.32E-02	4.15E-04	-1.40E-01
EP-freshwater	eq. kg P	3.84E-02	2.76E-04	1.43E-02	5.30E-02	1.10E-07	1.69E-05	5.40E-04	3.31E-06	-2.19E-02
EP-marine	eq. kg N	1.05E-01	1.93E-03	1.67E-02	1.24E-01	1.53E-05	1.55E-04	2.74E-03	1.34E-04	-2.71E-02
EP-terrestrial	eq. mol N	1.15E+00	1.96E-02	1.48E-01	1.32E+00	1.67E-04	1.59E-03	3.04E-02	1.13E-03	-2.70E-01
POCP	eq. kg NMVOC	4.56E-01	1.20E-02	5.05E-02	5.19E-01	4.93E-05	9.28E-04	9.30E-03	3.96E-04	-1.41E-01
ADP-minerals & metals*	eq. kg Sb.	2.27E-03	1.36E-05	5.31E-05	2.34E-03	1.28E-09	6.58E-07	5.52E-05	6.79E-08	-1.64E-05
ADP-fossil*	MJ	1.12E+03	5.18E+01	2.37E+02	1.40E+03	4.70E-02	3.51E+00	1.43E+01	8.68E-01	-2.76E+02
WDP	eq. m3	4.09E+01	2.70E-01	2.86E+00	4.40E+01	1.16E-04	1.80E-02	2.14E-01	3.40E-03	-5.40E+00
ENVIRONMENTAL ASPECTS RELATED TO RESOURCES										
PERE	MJ	1.17E+02	9.17E-01	4.49E+01	1.63E+02	2.66E-04	5.10E-02	1.94E+00	8.97E-03	-2.61E+00
PERM	MJ	8.74E+00	0.00E+00	0.00E+00	8.74E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PERT	MJ	1.26E+02	9.17E-01	4.49E+01	1.72E+02	2.66E-04	5.10E-02	1.94E+00	8.97E-03	-2.61E+00
PEN-RE	MJ	1.08E+03	4.73E+01	2.31E+02	1.36E+03	4.28E-02	3.21E+00	1.34E+01	7.90E-01	-2.74E+02
PENRM	MJ	2.62E+01	4.46E+00	6.45E+00	3.71E+01	4.29E-03	3.05E-01	8.89E-01	7.79E-02	-1.81E+00
PENRT	MJ	1.11E+03	5.18E+01	2.37E+02	1.40E+03	4.70E-02	3.51E+00	1.43E+01	8.68E-01	-2.76E+02
SM	MJ	1.60E+01	6.47E-02	7.52E-01	1.69E+01	2.72E-05	3.51E-03	3.44E+01	5.32E-04	1.52E+01
RSF	MJ	7.33E-01	1.91E-02	4.14E-01	1.17E+00	3.00E-06	8.57E-04	2.63E-02	8.30E-05	7.55E-02
NRSF	MJ	2.91E+00	6.08E-02	1.42E+00	4.40E+00	8.10E-06	1.78E-03	3.10E-02	2.64E-04	-8.84E-01
FW	m3	2.31E-01	6.61E-03	3.88E-01	6.26E-01	2.52E-06	4.69E-04	6.95E-03	8.99E-04	-3.19E-01

ENVIRONMENTAL PRODUCT DECLARATION
STEEL DOORS ref. dim. 2,00 m x 2,18 m

ENVIRONMENTAL INFORMATION DESCRIBING WASTE CATEGORIES

HWD	kg	2.58E+01	4.96E-02	4.86E-01	2.64E+01	3.91E-05	3.29E-03	5.48E-02	8.55E-04	2.64E+00
NHWD	kg	1.35E+01	2.18E+00	9.89E-01	1.67E+01	2.90E-05	3.02E-01	6.27E+00	4.38E+00	-6.21E-01
RWD	kg	2.24E-03	1.99E-05	1.06E-04	2.36E-03	5.12E-09	1.06E-06	2.62E-05	1.46E-07	3.34E-04
CRU	kg	1.14E-07	-2.32E-21	-2.41E-22	1.14E-07	-3.59E-25	-6.67E-23	1.17E-22	-2.59E-21	-4.87E-20
MFR	kg	1.11E+01	5.86E-02	7.52E-01	1.19E+01	2.24E-05	3.03E-03	5.49E-02	3.81E-04	-4.75E+00
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
EEE	MJ	8.03E-03	0.00E+00	0.00E+00	8.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
EET	MJ	5.32E-02	0.00E+00	0.00E+00	5.32E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

ADDITIONAL IMPACTS

PM	Disease incidence	8.93E-06	2.43E-07	9.33E-07	1.01E-05	9.22E-10	2.27E-08	2.04E-07	6.25E-09	-1.20E-06
IRP**	eq. kBq U235	4.23E+00	8.12E-02	4.30E-01	4.74E+00	2.22E-05	4.40E-03	1.03E-01	6.20E-04	1.28E+00
ETP-fw*	CTUe	1.11E+03	2.61E+01	5.41E+01	1.19E+03	2.23E-02	1.68E+00	1.04E+01	4.02E-01	-2.61E+01
HTTP-c*	CTUh	6.41E-07	1.73E-09	7.80E-09	6.51E-07	1.09E-12	1.03E-10	1.43E-09	1.92E-11	2.81E-07
HTTP-nc*	CTUh	2.94E-06	3.65E-08	2.56E-07	3.23E-06	7.68E-12	2.51E-09	6.22E-08	2.22E-10	-1.46E-07
SQP*	dimensionless	4.80E+02	2.76E+01	1.82E+02	6.90E+02	3.14E-03	3.54E+00	2.37E+01	1.95E+00	-4.61E+01



7. REFERENCES

- EN 15804+A2:2019 Sustainability of construction works -- Environmental product declarations -- Core rules for the product category of construction products;
- EN 17213:2020 Windows and doors -- Environmental Product Declarations -- Product category rules for windows and pedestrian doorsets
- ISO 14025:2006 Environmental labels and declarations -- Type III environmental declarations -- Principles and procedures
- ISO 14044:2006 Environmental management -- Life cycle assessment -- Requirements and guidelines
- EN 15942:2021 Sustainability of construction works -- Environmental product declarations -- Communication format business-to-business
- ISO 14067:2018 Greenhouse gases -- Carbon footprint of products -- Requirements and guidelines for quantification
- ISO 21930:2017 Sustainability in buildings and civil engineering works -- Core rules for environmental product declarations of construction products and services
- Ecoinvent 3.9 database



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CERTIFICATE No. 2025-0060-2

of TYPE III ENVIRONMENTAL DECLARATION

Product:

Steel doors

standard sizes > 3,6 m²

- NOBE external door
- NOVA external door
- NEXIO external door
- ENIRO internal door
 - ECO TECH door
 - ECO door
 - ECO BASIC door
 - ECO BASIC UNI door
- Internal UTILITY door
- External technical door DS, universal, DST

Manufacturer:

WIŚNIEWSKI Sp. z o.o. S.K.A.
33-311 Wielogłowy 153
NIP: 734-35-12-091

confirms the correctness of the data included in the development of the Type III Environmental Declaration and accordance with the requirements of the standard:

EN 15804+A2:2019

With the use of complementary standard **EN 17213:2020**

This certificate, issued for the first time on 23/04/2025 and is valid for 5 years or until amendment of mentioned Environmental Declaration.



Director of the Certification
Department
CERTBUD Sp. z o.o.

K. Pawłowski

Kamil PAWŁOWSKI

Warsaw, 23/04/2025 r.