

Building Product Declaration - NTech Villa Balcony door (security), 1I

Market:



Document ID: 000DEF(1.01)

Date: 1 March 2024

Page: 1 of 7

Material: Timber + aluminium

Frame: 105

Glass: Triple glazed

Applicable for product codes:

1I

1. Company information

NorDan Spolka Z o.o

Powodowo 54
54-200 Wolsztyn - Poland
Organization number: NIP: 9231548435, REGION: 016229807

Contact person: Linda Jonsson
Email: linda.jonsson@nordan.se
Telephone number: +46 (0) 10-130 01 75
ISO certifications: ISO 9001
ISO 14001

2. Product data

Trade name: NorDan NTech Villa Balcony door (security) - 1I 105/80 Declared size: 1230x2180 mm
Product classification: BK04 Product Group ID: 04111
Description of goods: NorDan NTech Villa Balcony door (security) - 1I 105/80 in size 1230x2180 mm tripple glazed with aluminium cladding is covered in this BPD Declaration of Performance: DoP-ND-100-1
Estimated technical lifetime: 60 years Standard glass unit: 4E#+16G+4+16G+#E4
URL¹ to public product documentation: https://portal.nordan.no/ndocs/search?category=document_EPD Product Code: 1I
* link to NorDan's public document system, NDocs

3. Chemical content

Product weight: 103,41 kg Date for the declaration: 2024-03-01
Material content is declared to: 100% The content is checked against the candidate list, edition: 2024-01-23
Does the product contain nanomaterials? No nanomaterials have been deliberately added to achieve a particular function

For composite articles, the declaration has been made at component level and the starting point is that the reported substances are given at the highest specified content.

The product consists of the following parts/components and its specified chemical composition upon delivery.

Material or chemical product	Weight-% of the component in the product	Weight-% of the component	Substance name / Chemical specification	CAS-number	Weight-% of the substance in the product	Weight-% of the substance in the component	Hazard Code(s)	Candidate List (SVHC)	Annex XIV and XVII to REACH	Endocrine disrupting	Chemsec SIN-list	Svenska PRO-listan	Den norske prioritetslista
Total	100%												
1. Frame	11,84%												
2. Sash	14,89%												
3. IGU - Insulated glass unit	60,61%												
4. Aluminium profiles	6,36%												
5. Plastic parts	0,12%												
6. Seals, rubber & TPU parts	0,94%												
7. Metal parts	5,23%												
1. Frame	11,84%	100,0%											
Wood material frame	11,27%	95,19%											
Frame top, side	11,27%	95,19%	Untreated pine, finger jointed		11,27%	95,19%							
Threshold	0,18%	1,51%											
Threshold	0,18%	1,51%	Solid glass-fibre reinforced unsaturated polyester		0,18%	1,51%							
Wood treatment & Coating	0,27%	2,25%											
Wood preservative	0,00%	0,04%	Propiokonazol	60207-90-1	0,000%	0,001%				✓	✓	✓	
<i>Note: Wood preservative to prevent wood rot.</i>													
Primer	0,09%	0,76%	1,2-benzisothiazol-3(2H)-one	2634-33-5	0,000%	0,000%	H302, H315, H318, H317, H400						

Building Product Declaration - NTech Villa Balcony door (security), 1I

Market:



NorDan

Document ID: 000DEF(1.01)

Date: 1 March 2024

Page: 5 of 7

Material: Timber + aluminium

Frame: 105

Glass: Triple glazed

Applicable for product codes:

1I

			Hostaphan, PET polyethylene terephthalate	25038-59-9	0,000%	0,001%													
Handle, inside	0,28%	5,39%	Aluminium AlMg3	EN AW-5754	0,28%	5,34%													
Cylinder extension	0,09%	1,63%	Zamak 4 alloy		0,09%	0,00%													
Hinge sash	0,86%	16,43%	Steel	DC01, Q235	0,74%	14,22%													
			PA6		0,01%	0,15%													
			Steel	ML08AL, HG215	0,11%	2,05%													
			Surf. treatment plating, coating		0,001%	0,01%													
Hinge frame	1,01%	19,26%	Steel	DC01, Q235	0,74%	14,22%													
			PA6		0,01%	0,15%													
			Stainless steel	1.4301, 304	0,10%	1,96%													
			Steel	ML08AL, HG215	0,15%	2,92%													
			Surf. treatment plating, coating		0,001%	0,01%													
Strike plate for lockhouse	0,38%	7,27%	Steel	SAPH 440	0,31%	6,00%													
			Steel	DC01, Q235	0,06%	1,19%													
			Zinc alloy		0,004%	0,07%													
			Surf. treatment Zn plating		0,000%	0,01%													
Strike plate	0,12%	2,29%	Steel	DC01, Q235	0,09%	1,74%													
			POM		0,03%	0,55%													
			Surf. treatment Zn plating		0,000%	0,003%													
Screws/Nails																			
Nails	0,01%	0,15%	Steel, zinc galvanized		0,01%	0,15%													
Nails A2	0,01%	0,14%	Stainless steel	1.4301, 304	0,01%	0,14%													
Screws	0,09%	1,64%	Steel, coated (not stainless steel)		0,09%	1,64%													
Screws	0,13%	2,42%	Steel, zinc galvanized		0,13%	2,42%													
Screws A2	0,02%	0,38%	Stainless steel	1.4301, 304	0,02%	0,38%													
Screws A4	0,01%	0,20%	Stainless steel	1.4401, 316	0,01%	0,20%													

4. Raw materials

Recycled materials in the article	Share of raw material	Share of product	Renewable material	Share
Aluminium	8,00%	0,51%	Wood	25,59%
Glass	28,00%	16,20%		

Grade of certified wood: 70-100%

Certificate

Certification system: PEFC

Comment: The percentage above refers to the certified percentage of the wood raw material included in the production.

Country of origin wood raw material Estonia/ Poland/ Finland

Building Product Declaration - NTech Villa Balcony door (security), 11

Market:



NorDan[®]

Document ID: 000DEF(1.01)

Date: 1 March 2024

Page: 6 of 7

Material: Timber + aluminium

Frame: 105

Glass: Triple glazed

Applicable for product codes:

11

5. Environmental impact

Is there an Environmental Product Declaration (EPD) produced according to EN15804 or ISO14025 for the product? Yes

ID number for EPD: NEPD-6329-5585

EPD, declared size: 1230x2180

EPD-Name: NorDan NTech Villa Balcony door (security) - 11 105/80 (With Aluminium Cladding)

GWP Functional unit*				GWP/kg
A1-A3 GWP _{total} (kg CO ₂ e)	A1-A3 GWP _{fossil} (kg CO ₂ e)	A1-A3 GWP _{biogenic} (kg CO ₂ e)	A1-A3 GWP _{luluc} (kg CO ₂ e)	A1-A3 GWP _(total-biogenic) / kg **
221,0	268,7	-47,9	0,24	2,49

* For project-specific values contact NorDan

** GWP value without the influence of biogenic carbon

6. Distribution

Is the producer connected to a producer responsibility scheme for packaging? Yes
What system? FTI system

Packaging is sorted according to below

	EWC	
Cardboard	150101	
Plastic packaging	150102	
Wood packaging	150103	

7 & 8. Construction and use phase

Does the product have special requirements for storage? See product owner's manual
Does the product place special demands on surrounding building materials? See product owner's manual

Does the product require input goods for operation and maintenance? See product owner's manual

9. Demolition

Is the item prepared for dismantling? Yes
Can the product be separated into pure materials for recycling? Yes, see product owner's manual
Does the product require special measures for the protection of health and the environment during demolition/dismantling? No

10. Waste management

Is reuse possible for all or part of the product? Yes, during the warranty period the product can be reused. After the warranty period, reuse is possible after assessment.

Is recycling possible? Yes

Rate of material recycling: 69,46%

Material	Weight % of whole item	Waste code
Aluminium	6,36%	EWC 170402
Metal	5,23%	EWC 170407
Glass	57,87%	EWC 200102

Is energy recovery possible? Yes

Energy recovery rate: 30,54%

Material	Weight % of whole item	Waste code
Wood with sealant	26,55%	EWC 170201
Plastic/rubber	3,99%	EWC 170203

Waste code when the delivered goods become waste: 17 - Construction and demolition waste

When the delivered goods become waste, is it classified as hazardous waste? No

Building Product Declaration - NTech Villa Balcony door (security), 11

Market:



Document ID: 000DEF(1.01)

Date: 1 March 2024

Page: 7 of 7

Material: Timber + aluminium

Frame: 105

Glass: Triple glazed

Applicable for product codes:

11

11. Indoor environment

Danish Indoor Climate Labelling - Certificate no. 174
ND NTech - EMISSION CLASS 1

Emission measured after 28 days:

TVOC₂₈ 0,28 mg/m³

Formaldehyde₂₈ <0,005 mg/m³

12. Building certification systems

	v6.1	Mat01	Yes	The EPD is published at EPD-Norge, see point 5 above. Project-specific EPD data can be obtained from NorDan	
	v6.0				
	2016v1.2	Mat02	Yes	The product contains no substances on the REACH Candidate list or the Norwegian priority list at or above 0,1 % by weight. Control has been made against REACH annexes XIV and XVII.	
	v6.1				
	v6.0	2017v1.1	Mat01	Yes	The EPD is published at EPD-Norge, see point 5 above. Project-specific EPD data can be obtained from NorDan
	v6.0	2017v1.1	Mat03	Yes	All wood used in the product consists of wood that is legally harvested and meets at least the requirements of the EUTR (EU Timber Regulation)
	v6.0	2017v1.1	Mat07	Yes	The product does not contain phase-out or risk reduction substances (according to KEMI's definition and EDS Cat1/ Cat2) above classification limits.
	2013v2.0	Mat08	Yes	Product does not contain phase-out substances (according to KEMI's definition) above classification limits	
	3.0 / 3.1 / 3.2	Ind 13	Gold	Public e-bvd or equivalent available	
		Ind 14	Gold	Attention MB sets requirements for emissions. Check these manually to ensure compliance!	
		Ind 15	Yes	The EPD is published at EPD-Norge, see point 5 above. Project-specific EPD data can be obtained from NorDan	
	2.1 / 2.2	Ind 14	Gold	Public content declaration according to bvd3 is available	
		Ind 15	Gold	The product does not contain phase-out substances according to KEMI's definition above classification limits	
	4.0	Ind 4	Yes	The EPD is published at EPD-Norge, see point 5 above. Project-specific EPD data can be obtained from NorDan	
		Ind 9	Silver	The product does not contain U, R or endocrine disruptors on Chemsec's SIN list above classification limits	
	Ind 15	Gold	Public e-bvd or equivalent available		

Nordic Swan Ecolabel buildings

HPP (Husproduktsportalen)
Yes - NorDan I1 Dörr Trä/Alu
SCDP (Supply Chain Declaration Portal)

13. Product Assessment System

	No	ECOproduct isn't available for the product today
	No	The product is not listed in the database from Byggsvarubedömningen
	Yes	The product is listed in the database from SundaHus, NorDan I1 Dörr Trä/Alu
	No	The product is not listed in the database from Basta
Nordic Swan Ecolabel	Yes	Swan Ecolabel is available for the product