

# Building Product Declaration - NTech Villa Multi sash, TO

Market:



Document ID: 00116F(1.00)

Date: 25 November 2024

Page: 1 of 8

Material: Timber + aluminium

Frame: 105

Glass: Triple glazed

Applicable for:  
TO

## 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](mailto: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 Multi sash - TO

Declared size: 1230x1480 mm

Product classification: SE: BK04, 04107

Description of goods: NorDan NTech Villa Multi sash - TO in size 1230x1480 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

URL\* to public product documentation:

[https://portal.nordan.no/ndocs/search?category=document\\_EPD](https://portal.nordan.no/ndocs/search?category=document_EPD)

Product Code: TO

\* link to NorDan's public document system, NDocs

## 3. Chemical content

Product weight: 79,02 kg

Date for the declaration of content:

2024-11-25

Material content is declared to:

100%

The content is checked against the candidate list, edition:

2024-11-07

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, List I, II, III Chemsec SIN-list Svenska PRIO-listan Den norske prioritetslista
<b>Total</b>	<b>100%</b>							
1. Frame	18,85%							
2. Sash	14,51%							
3. IGU - Insulated glass units	48,98%							
4. Aluminium profiles	7,23%							
5. Plastic parts	0,43%							
6. Seals, rubber & TPU parts	0,98%							
7. Metal parts	9,03%							
<b>1. Frame</b>	<b>18,85%</b>	<b>100,0%</b>						
<b>Wood material frame</b>	<b>18,15%</b>	<b>96,31%</b>						
Frame top	3,10%	16,44%	Untreated pine, finger jointed		3,10%	16,44%		
Frame side	7,57%	40,17%	Untreated pine, finger jointed		7,57%	40,17%		
Frame bottom	2,99%	15,86%	Untreated pine, finger jointed		2,99%	15,86%		
Frame mullion	4,49%	23,84%	Untreated pine, finger jointed		4,49%	23,84%		
<b>Wood treatment &amp; Coating</b>	<b>0,50%</b>	<b>2,65%</b>						

# Building Product Declaration - NTech Villa Multi sash, TO

Market:



Document ID: 00116F(1.00)

Date: 25 November 2024

Page: 2 of 8

Material: Timber + aluminium

Frame: 105

Glass: Triple glazed

Applicable for:

TO

Wood preservative	0,01%	0,04%	Propiconazole	60207-90-1	<0,001%	0,001%	H302, H317, H360D, H400, H410				✓	✓	✓
<i>Note: Wood preservative to prevent wood rot.</i>													
Primer	0,17%	0,90%	1,2-benzisothiazol-3(2H)-one	2634-33-5	<0,001%	<0,001%	H302, H315, H318, H317, H400						✓
<i>Note: Waterborne 2-comp. Polyurethane Primer</i>			Reaction mass of 5-chloro-2-methyl-1,2-thiazol-3(2H)-one and 2-methyl-1,2-thiazol-3(2H)-one	55965-84-9	<0,001%	<0,001%	H301, H310, H330, H314, H318, H317, H400, H410						✓
Hardner, primer	0,06%	0,31%	Hexamethylene diisocyanate, oligomers	28182-81-2	0,05%	0,28%	H332, H317, H335						
			2-methoxy-1-methylethyl acetate	108-65-6	0,01%	0,06%	H226, H336						
			Hexamethylene diisocyanate	822-06-0	<0,001%	0,001%	H331, H315, H319, H334, H317, H335			✓			✓
Top Coat	0,26%	1,40%	3-iodo-2-propynyl butylcarbamate	55406-53-6	0,001%	0,003%	H302, H331, H318, H317, H372, H400, H410						✓
<i>Note: Water Based, Acrylic binder.</i>			1,2-benzisothiazol-3(2H)-one	2634-33-5	<0,001%	0,001%	H302, H315, H318, H317, H400						✓
			Reaction mass of 5-chloro-2-methyl-1,2-thiazol-3(2H)-one and 2-methyl-1,2-thiazol-3(2H)-one	55965-84-9	<0,001%	<0,001%	H301, H310, H330, H314, H318, H317, H400, H410						✓
<b>Adhesive &amp; Sealant</b>	<b>0,20%</b>	<b>1,05%</b>											
Adhesiv, finger joints, frame	0,18%	0,97%	Polyvinyl acetate emul. waterbased.		0,18%	0,97%							
<i>Note: PVAc dispersion adhesive</i>													
Adhesive, frame	0,01%	0,07%	Propylene carbonate	108-32-7	<0,001%	0,002%	H319						
<i>Note: One component PVAc adhesive of D4 quality</i>			Reaction mass of 5-chloro-2-methyl-1,2-thiazol-3(2H)-one and 2-methyl-1,2-thiazol-3(2H)-one	55965-84-9	<0,001%	<0,001%	H301, H310, H314, H317, H318, H330, H400, H410, H315, H319						✓
<b>2. Sash</b>	<b>14,51%</b>	<b>100,0%</b>											
<b>Wood material sash</b>	<b>13,70%</b>	<b>94,40%</b>											
Sash top	1,92%	13,22%	Untreated pine, finger jointed		1,92%	13,22%							
Sash side	9,94%	68,48%	Untreated pine, finger jointed		9,94%	68,48%							
Sash bottom	1,84%	12,70%	Untreated pine, finger jointed		1,84%	12,70%							
<b>Wood treatment &amp; Coating</b>	<b>0,58%</b>	<b>4,00%</b>											
Wood preservative	0,01%	0,04%	Propiconazole	60207-90-1	<0,001%	0,001%	H302, H317, H360D, H400, H410				✓	✓	✓
<i>Note: Wood preservative to prevent wood rot.</i>													
Primer	0,20%	1,37%	1,2-benzisothiazol-3(2H)-one	2634-33-5	<0,001%	0,001%	H302, H315, H318, H317, H400						✓





# Building Product Declaration - NTech Villa Multi sash, TO

Market:



Document ID: 00116F(1.00)

Date: 25 November 2024

Page: 5 of 8

Material: Timber + aluminium

Frame: 105

Glass: Triple glazed

Applicable for:

TO

Component	Material	Weight %	Volume %	Material	Material Code	Weight %	Volume %									
				Surf. Treatment, Zn-Ni plating		<0,001%	0,001%									
Esp. rod	0,38%	4,16%	Steel	35K, 1.0501	0,37%	4,15%										
			Surf. Treatment, Zn-Ni plating		0,001%	0,02%										
Handle	0,27%	2,97%	Aluminium AlMg3	7429-90-5	0,27%	2,94%										
Sliding Hinge R+L	7,16%	79,31%	Steel	DC01, Q235	6,70%	74,24%										
			Stainless steel	1.4401, 316	0,31%	3,46%										
			Steel	Q215	0,09%	0,95%										
			ASA, Acrylonitrile Styrene Acrylate		0,003%	0,03%										
			POM		0,001%	0,01%										
			Surf. Treatment, coating, Zn plating		0,06%	0,62%										
Toppslide R+L	0,55%	6,07%	Steel	DC01 (Q235)	0,41%	4,50%										
			Steel	SAPH440	0,11%	1,19%										
			Steel	MLO8AL	0,02%	0,20%										
			POM		0,01%	0,09%										
			Surf. Treatment, coating, Zn plating		0,01%	0,10%										
Centre pivot bushing	0,18%	1,95%	Sintered Steel	FN02050-20	0,11%	1,23%										
			Stainless steel	1,4301, 316	0,03%	0,34%										
			Stainless steel	301	0,01%	0,15%										
			ASA, Acrylonitrile Styrene Acrylate		0,02%	0,24%										
			Surf. Treatment, coating, dacromet		<0,001%	<0,001%										
<b>Screws / Nails</b>																
Srews Dac-coating	0,06%	0,68%	Steel, coated (not stainless steel)		0,06%	0,68%										
Screws A2	0,05%	0,51%	Stainless steel	1.4301, 304	0,05%	0,51%										
Screws A4	0,04%	0,47%	Stainless steel	1.4401, 316	0,04%	0,47%										
Screws	0,11%	1,18%	Steel, zinc galvanized		0,11%	1,18%										
Nails	0,02%	0,17%	Steel, zinc galvanized		0,02%	0,17%										

## 4. Raw materials

Recycled materials in the article	Share of raw material	Share of product	Renewable material	Share
Aluminium	8,00%	0,58%	Wood	31,85%
Glass	28,00%	12,55%		

<b>Grade of certified wood:</b>	70-100%	<b>Certificate</b>
<b>Certification system:</b>	PEFC	
<b>Comment:</b>	The percentage above refers to the certified percentage of the wood raw material included in the production.	
<b>Country of origin wood raw material</b>	Estonia/ Poland/ Finland	

# Building Product Declaration - NTech Villa Multi sash, TO

Market:



Document ID: 00116F(1.00)

Date: 25 November 2024

Page: 6 of 8

Material: Timber + aluminium

Frame: 105

Glass: Triple glazed

Applicable for:

TO

## 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-6125-5389

EPD, declared size:

1230x1480

EPD-Name:

NorDan NTech Villa Multi sash - TO 105/80 (With Aluminium Cladding)

GWP Functional unit*				GWP/kg
A1-A3 GWP <sub>total</sub> (kg CO <sub>2</sub> e)	A1-A3 GWP <sub>fossil</sub> (kg CO <sub>2</sub> e)	A1-A3 GWP <sub>biogenic</sub> (kg CO <sub>2</sub> e)	A1-A3 GWP <sub>luluc</sub> (kg CO <sub>2</sub> e)	A1-A3 GWP <sub>(total-biogenic)</sub> / kg **
165,1	209,7	-44,8	0,21	2,54

\* 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

Cardboard	EWC	150101
Plastic packaging	EWC	150102
Wood packaging	EWC	150103

## 7 & 8. Construction and use phase

Does the product have special requirements for storage?

See window owner's manual

Does the product place special demands on surrounding building materials?

See window owner's manual

Does the product require input goods for operation and maintenance?

See window owner's manual

## 9. Demolition

Is the item prepared for dismantling?

Yes

Can the product be separated into pure materials for recycling?

Yes, see window 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:

61,07%

Material	Weight % of whole item	Waste code
Aluminium	7,23%	EWC 170402
Metal	9,03%	EWC 170407
Glass	44,81%	EWC 200102

# Building Product Declaration - NTech Villa Multi sash, TO

Market:



Document ID: 00116F(1.00)

Date: 25 November 2024

Page: 7 of 8

Material: Timber + aluminium

Frame: 105

Glass: Triple glazed

Applicable for:

TO

Is energy recovery possible?	Yes	
Energy recovery rate	38,93%	
Material	Weight % of whole item	Waste code
Wood with sealant	33,36%	EWC 170201
Plastic/rubber	5,58%	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	

## 11. Indoor environment

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

Emission measured after 28 days:

TVOC <sub>28</sub>	0,28 mg/m <sup>3</sup>
Formaldehyde <sub>28</sub>	<0,005 mg/m <sup>3</sup>

## 12. Building certification systems

	v6.1 v6.0 2016v1.2	Mat01	Yes	The EPD is published at EPD-Norge, see point 5 above. Project-specific EPD data can be obtained from NorDan
	v6.1 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 2016v1.2	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	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

SCDP (Supply Chain Declaration Portal)

No

# Building Product Declaration - NTech Villa Multi sash, T0

Market:



Document ID: 00116F(1.00)

Date: 25 November 2024

Page: 8 of 8

Material: Timber + aluminium

Frame: 105

Glass: Triple glazed

Applicable for:

T0

## 13. Product Assessment System



No

ECOproduct is not available for the product



No

The product is not listed in the database from Byggarubedömningen



No

The product is not listed in the database from SundaHus

**Nordic Swan Ecolabel**

Yes

Swan Ecolabel is available for the product