

Byggevaredeklaration - NTech Villa Topsving

Marked:



Dokument ID: 000CC1(2.00)

Dato: 1 Marts 2024

Side: 1 af 7

Materiale: Træ + aluminium

Karm: 105

Glas: 3-lags

Gælder for produktkoder:
TG

1. Company information

NorDan Spolka Z o.o

Powodowo 54
54-200 Wolsztyn - Poland
Organization number:

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Contact person:
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ISO 9001
ISO 14001

2. Product data

Trade name:	NorDan NTech Villa Topsving reversible - TG 105/80	Declared size:	1230x1480 mm
Product classification:	BK04	Product Group ID:	04107
Description of goods:	NorDan NTech Villa Topsving reversible - TG 105/80 in size 1230x1480 mm tripple glazed 4E+16G+4+16G+E4 with aluminium cladding is covered in this BPD	Declaration of Performance:	DoP-ND-100-1
Estimated technical lifetime:	60 years		

URL* to public product documentation: https://portal.nordan.no/ndocs/search?category=document_EPD

Product Code: TG

* link to NorDan's public document system, NDocs

3. Chemical content

Product weight:	69,98 kg	Date for the declaration:	2023-11-06
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 PRIO-listan	Den norske prioritetslista
Total	100,00%											
1. Frame	16,03%											
2. Sash	10,65%											
3. IGU - Insulated glass unit	61,69%											
4. Aluminium	5,44%											
5. Plastic parts	0,30%											
6. Seals, rubber & TPU parts	0,75%											
7. Metal parts	5,14%											
1. Frame	16,03%	100,0%										
Wood material frame	15,48%	96,59%										
Frame bottom	3,4%	21,14%	Untreated pine, finger jointed		3,389%	21,137%						
Frame top	3,5%	21,92%	Untreated pine, finger jointed		3,514%	21,917%						
Frame side	8,6%	53,53%	Untreated pine, finger jointed		8,582%	53,533%						
Wood treatment & Coating	0,44%	2,73%										
Wood preservative	0,006%	0,04%	Propiokonazol	60207-90-1	0,0001%	0,0007%	H302, H317, H360D, H400, H410		✓	✓	✓	
<i>Note: Wood preservative to prevent wood rot.</i>												
Primer	0,170%	1,06%	1,2-benzisothiazol-3(2H)-one	2634-33-5	0,0001%	0,0005%	H302, H315, H318, H317, H400				✓	

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Material	Weight %	Volume %	Material	Weight %	Volume %	Check 1	Check 2	Check 3
			Magnesium	7439-95-4	0,318%	0,005%		
			Copper	7440-50-8	0,350%	0,005%		
			Zinc	7440-66-6	0,011%	0,000%		✓
			Nickel	7440-02-0	0,007%	0,000%	✓	✓
			Chromium	7440-47-3	0,007%	0,000%		✓
			Stannous	7440-31-5	0,004%	0,000%		
Windows Esp.mm	0,13%	2,49%	DC01 Steel	Q235	0,071%	1,374%		
			Steel	Q235	0,007%	0,137%		
			Powder Metallurgy	Fn-0205-20	0,050%	0,964%		
			White EP Bearing grease		0,001%	0,017%		
			Surf. Treatment Dacromet		0,000%	0,000%		
			Surf. Treatment Zi-Ni Coating		0,000%	0,000%		
Centre.pivot	0,10%	1,94%	ASA Luran S778T		0,012%	0,242%		
			Stainless steel	304	0,017%	0,334%		
			Stainless steel	301	0,008%	0,150%		
			Powder Metallurgy	Fn-0205-20	0,062%	1,213%		
			Coating Dacromet		0,000%	0,006%		
Screws								
SU wood 3,5x19 TX15 Dac	0,05%	0,93%	Steel coated (not stainless steel)		0,048%	0,933%		
SU wood 4,5x32 TX20 PC4E	0,03%	0,49%	Steel zinc galvanized		0,025%	0,490%		
SU wood 4,5*25, TX20 A4	0,02%	0,47%	Stainless steel	SS316	0,024%	0,467%		
SU wood 4,5x60/36 TX20 P	0,02%	0,46%	Steel zinc galvanized		0,023%	0,456%		
SU wood 4,5*35, TX20 A2	0,01%	0,26%	Stainless steel	SS304	0,013%	0,256%		
LS Wood 4x60/36 T17 TX20	0,01%	0,23%	Steel zinc galvanized		0,012%	0,228%		
Nail rsk 562 nk	0,01%	0,20%	Steel zinc galvanized		0,010%	0,200%		
SU wood 4,0*30, TX20 A2	0,01%	0,19%	Stainless steel	SS304	0,010%	0,189%		
SU wood 4x20 TX20 A2	0,003%	0,061%	Stainless steel	SS304	0,003%	0,061%		
Nail SK 345	0,001%	0,022%	Steel zinc galvanized		0,001%	0,022%		

4. Raw materials

Recycled materials in the article	Share of raw material	Share of product	Renewable material	Share
Aluminium	8,00%	0,44%	Wood	25,51%
Glass	28,00%	16,38%		

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

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-4548-3799

EPD, declared size: 1230x1480

EPD-Name: NorDan NTech Villa Topsving reversible - TG 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 **}
122,3	155,6	-33,4	0,14	2,23

* 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?
What system?

Yes
FTI system

Packaging is sorted according to below

	EWC	
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?
Does the product place special demands on surrounding building materials?

See window owner's manual
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?
Can the product be separated into pure materials for recycling?
Does the product require special measures for the protection of health and the environment during demolition/dismantling?

Yes
Yes, see window owner's manual
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: 69,07%

Material	Weight % of whole item	Waste code
Aluminium	5,44%	EWC 170402
Metal	5,14%	EWC 170407
Glass	58,49%	EWC 200102

Is energy recovery possible? Yes

Energy recovery rate: 30,93%

Material	Weight % of whole item	Waste code
Wood with sealant	29,88%	EWC 170201
Plastic/rubber	1,05%	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:

TVOC₂₈ 0,28 mg/m³
Formaldehyde₂₈ <0,005 mg/m³

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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			
	v6.1	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.
	v6.0	Mat01	Yes	The EPD is published at EPD-Norge, see point 5 above. Project-specific EPD data can be obtained from NorDan
	2017v1.1			
	v6.0	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)
	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.
	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			
	2016v1.2			
	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 TG Vridfönster *(Trä & Trä/alu) 105mm

SCDP (Supply Chain Declaration Portal)

13. Product Assessment System

	No	ECOproduct isn't available for the product today.
	Yes	The product is listed in the database from Byggsvarubedömningen. Name: NorDan TG Vridfönster Trä/Alu 105
	Yes	The product is listed today the database from SundaHus. Name: NorDan TG Vridfönster Trä/Alu 105
	No	The product is not listed today in the database from Basta
Nordic Swan Ecolabel	Yes	NorDan Ntech Villa Topsving reversible is available as Swan Ecolabel