

Building Product Declaration - NTech One Sidehinged, ZS

Market:

**NorDan**[®]

Document ID: 000E54(1.00)

Date: 20 May 2024

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Material: Timber + aluminium

Frame: 105

Glass: Triple glazed

Applicable for product codes:

ZS

1. Company information

NorDan AS

Stasjonsveien 46
N-4460 Moi - Norway
Organization number: 979776233

Contact person: Linda Jonsson
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Telephone number: +46 (0) 10-130 01 75
ISO certifications: ISO 9001
ISO 14001

2. Product data

Trade name: NorDan NTech One Sidehinged - ZS 105/80 Declared size: 1230x1480 mm

Product classification: SE: BK04 - 04105

Description of goods: NorDan NTech One Sidehinged - ZS 105/80 in size 1230x1480 mm triple 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 Product Code: ZS

* link to NorDan's public document system, NDocs

3. Chemical content

Product weight: 68,51 kg Date for the declaration of content: 2024-05-20
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, List I, II, III	Chemsec SIN-list	Svenska PRIO-listan	Den norske prioritetslista
Total	100%												
1. Frame	16,65%												
2. Sash	8,80%												
3. IGU - Insulated glass unit	64,25%												
4. Aluminium profiles	6,05%												
5. Plastic parts	0,22%												
6. Seals, rubber & TPU parts	0,62%												
7. Metal parts	3,41%												
1. Frame	16,65%	100,0%											
Wood material frame	16,06%	96,45%											
Frame side	8,39%	50,42%	Untreated pine, finger jointed		8,39%	50,42%							
Frame bottom	3,23%	19,42%	Untreated pine, finger jointed		3,23%	19,42%							
Frame top	4,43%	26,61%	Untreated pine, finger jointed		4,43%	26,61%							
Wood treatment & Coating	0,41%	2,48%											
Wood preservative	0,01%	0,04%	Propiokonazol	60207-90-1	<0,001%	0,001%				✓	✓	✓	
<i>Note: Wood preservative to prevent wood rot</i>													

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4. Raw materials

Recycled materials in the article	Share of raw material	Share of product	Renewable material	Share
Aluminium	8,00%	0,48%	Wood	24,36%
Glass	28,00%	17,07%		

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: Finland/ Estonia

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-5955-5209

EPD, declared size: 1230x1480

EPD-Name: NorDan NTech One Sidehinged - ZS 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 **
101,7	133,1	-31,5	0,17	1,84

* 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

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

No

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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: 70,41%

Material	Weight % of whole item	Waste code
Aluminium	6,05%	EWC 170402
Metal	3,41%	EWC 170407
Glass	60,96%	EWC 200102

Is energy recovery possible? Yes

Energy recovery rate 29,59%

Material	Weight % of whole item	Waste code
Wood with sealant	25,45%	EWC 170201
Plastic/rubber	4,14%	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 ₂₈	0,27 mg/m ³
Formaldehyde ₂₈	<0,005 mg/m ³

12. Building certification systems

BREEAM ^{NOR}	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)
BREEAM ^{SE}	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
MILJÖ BYGGNAD	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

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Nordic Swan Ecolabel buildings

HPP (Husproduktspöralen)
NorDan NTech One Sidohängt - ZS Trä, Trä/Alu
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 Byggvarubedömmingen, NorDan NTech One Sidohängt ZS Trä/Alu 105



Yes The product is listed in the database from SundaHus, NorDan NTech One Sidohängt ZS Trä/Alu 105



No The product is not listed in the database from Basta

Nordic Swan Ecolabel

Yes Swan Ecolabel is available for the product