







# Byggevarerdeklarasjon - NTech One Toveissvingende, OD

Marked:



**NorDan**<sup>®</sup>

Dokument ID: 000D86(2.00)

Dato: 1 Mars 2024

Side: 4 av 7

Material: Tre + aluminium

Karm: 105

Glass: 3-lags

Gjelder for produktkoder:

OD

<b>4. Aluminium profiles</b>	<b>6,00%</b>	<b>100,0%</b>					
Aluminium caldding frame, top	0,84%	14,06%	EN AW-6060		0,84%	14,06%	
Aluminium caldding frame, side	2,34%	38,96%	EN AW-6060		2,34%	38,96%	
Aluminium caldding frame, bottom	0,82%	13,63%	EN AW-6060		0,82%	13,63%	
Aluminium glazing strip, top, side	1,17%	19,50%	EN AW-6060		1,17%	19,50%	
Aluminium glazing strip, bottom	0,47%	7,84%	EN AW-6060		0,47%	7,84%	
Powder coat	0,36%	6,01%	3,9-bis(2,4-di-tertbutylphenoxy)-2,4,8,10-tetraoxa-3,9-diphosphaspiro[5.5]un decane	26741-53-7	0,004%	0,06%	H410
<b>5. Plastic parts</b>	<b>0,22%</b>	<b>100,0%</b>					
Glazing packer	0,03%	15,55%	LLDPE	9002-88-4	0,03%	15,55%	
Glazing packer	0,04%	19,95%	LDPE	9002-88-4	0,04%	19,95%	
Plastic clip	0,03%	12,50%	PA6	25038-54-4	0,03%	12,50%	
Plastic clip	0,11%	47,66%	POM		0,11%	47,66%	
Cover plug	0,01%	2,36%	LDPE	9002-88-4	0,01%	2,36%	
End cap	0,004%	1,97%	PP	9003-07-0	0,004%	1,97%	
<b>6. Seals, rubber &amp; TPU parts</b>	<b>0,62%</b>	<b>100,0%</b>					
Gasket, black	0,12%	20,13%	LDPE liner	9002-88-4	0,06%	10,07%	
			PU foam	9009-54-5	0,06%	10,07%	
Gasket EPDM	0,49%	79,87%	EPDM polymer	25038-36-2	0,17%	27,95%	
			Carbon black	1333-86-4	0,10%	15,97%	
			Paraffin oils	8012-95-1	0,10%	15,97%	
			Calcium carbonate	471-34-1	0,12%	19,97%	
<b>7. Metal parts</b>	<b>4,25%</b>	<b>100,0%</b>					
Window hardware	3,75%	88,06%	Zinc	7440-66-6	2,22%	52,13%	✓
			Steel		0,73%	17,11%	
			Aluminum		0,72%	16,93%	
			Stainless steel		0,03%	0,72%	
			Nylon 66	32131-17-2	0,05%	1,18%	
Restrictor	0,08%	1,90%	Zinc alloy		0,08%	1,90%	
Handle	0,20%	4,73%	Aluminium AlMg3	EN AW-5754	0,20%	4,68%	
<b>Screws/Nails</b>							
Nail	0,012%	0,27%	Steel, zinc galvanized		0,01%	0,27%	
Screw	0,19%	4,58%	Steel, coated (not stainless steel)		0,19%	4,58%	
Screw	0,02%	0,45%	Steel (not stainless steel)		0,02%	0,45%	

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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	24,10%
Glass	28,00%	16,93%		

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-5175-4510

EPD, declared size: 1230x1480

EPD-Name: NorDan NTech One Tilt and Turn - OD 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 **
124,0	155,5	-31,7	0,17	2,14

\* 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

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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: 70,71%

Material	Weight % of whole item	Waste code
Aluminium	6,00%	EWC 170402
Metal	4,25%	EWC 170407
Glass	60,46%	EWC 200102

Is energy recovery possible? Yes

Energy recovery rate 29,29%

Material	Weight % of whole item	Waste code
Wood with sealant	25,18%	EWC 170201
Plastic/rubber	4,11%	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	

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## Nordic Swan Ecolabel buildings

HPP (Husproduktportalen)  
NorDan NTech One Kipp-Dreh - OD Trä, Trä/Alu

SCDP (Supply Chain Declaration Portal)

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## 13. Product Assessment System



No

ECOproduct isn't available for the product today.



No

The product is not listed in the database from Byggevarebedømmingen



No

The product is not listed in the database from SundaHus



No

The product is not listed in the database from Basta

## Nordic Swan Ecolabel

Yes

NorDan NTech One Tilt and Turn is available as Swan Ecolabel