

[illegible]

Adhesive & Sealant	0,17%	1,62%										
Adhesiv, finger joints, sash <i>Note: PVAc dispersion adhesive</i>	0,10%	0,96%	Polyvinyl acetate emul. Waterbased.		0,10%	0,96%						
Adhesive, sash <i>Note: One component PVAc adhesive of D4 quality</i>	0,02%	0,16%	Propylene carbonate	108-32-7	0,000%	0,004%	H319					
			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	0,000%	0,000%	H301, H310, H314, H317, H318, H330, H400, H410, H315, H319					✓
Sealant	0,05%	0,51%	Distillates (petroleum), hydrotreated light paraffinic	64742-55-8	0,003%	0,03%	H304			✓	✓	
<i>Note: 1-component sealant, based on SMX polymer</i>			Trimethoxyvinylsilane	2768-02-07	0,001%	0,01%	H226, H332, H314					
			reaction mass of N,N'-ethane-1,2-diylbis(hexanamide) and 12-hydroxy-N-[2-[(1-oxyhexyl)amino]ethyl]octadecanamide and N,N'-ethane-1,2-diylbis(12-hydroxyoctadecanamide)	432-430-3	0,003%	0,03%	H413					✓
			N-(3-(trimethoxysilyl)propyl)ethylenediamine	1760-24-3	0,001%	0,01%	H317, H318, H332					
			Diocylbis(pentane-2,4-dionato-0,0')tin	54068-28-9	0,001%	0,01%	H317, H371					
3. IGU - Insulated glass unit	63,64%	100,0%										
Float glass coated	40,25%	63,25%	Flat glass coated	65997-17-3	40,25%	63,25%						
Float glass	20,13%	31,62%	Flat glass uncoated	65997-17-3	20,13%	31,62%						
Spacer	0,84%	1,31%	Stainless steel EN 1.4372		0,05%	0,07%						
			Polypropylene	9003-07-0	0,79%	1,24%						
Primary seal	0,16%	0,25%	Carbon black	1333-86-4	0,08%	0,13%						
Secondary seal part A	1,31%	2,06%	Polyurethane glass sealant		1,31%	2,06%						
Secondary seal part B	0,15%	0,23%	di-"isononyt" phtalate	28553-12-0	0,07%	0,11%			✓		✓	
			Polymeric MDI	9016-87-9	0,04%	0,07%	H315, H317, H319, H332, H334, H335, H351					
			4,4'-methylenediphenyl diisocyanate	101-68-8	0,01%	0,01%	H315, H317, H319, H332, H334, H335, H351		✓			✓
			carbon black	1333-86-4	0,01%	0,01%						
			Zeolites	1318-02-1	0,01%	0,01%						
			Oxirane,2-[[3-(trimethoxysilyl)propoxy]methyl]-	2530-83-8	0,003%	0,005%	H318, H411					
Absorbent	0,71%	1,12%	Zeolites	1318-02-1	0,71%	1,12%						
			Quartz	14808-60-7	0,01%	0,01%						
Argon	0,10%	0,15%	Argon	7440-37-1	0,10%	0,15%						
4. Aluminium profiles	5,99%	100,0%										
Aluminium caldding, frame/sash, top	0,84%	14,06%	AW6060		0,84%	14,06%						
Aluminium caldding, frame/sash, side	2,33%	38,96%	AW6060		2,33%	38,96%						
Aluminium caldding, frame/sash, bottom	0,82%	13,63%	AW6060		0,82%	13,63%						
Aluminium glazing strip, side, top	1,17%	19,50%	AW6060		1,17%	19,50%						
Aluminium glazing strip, bottom	0,47%	7,84%	AW6060		0,47%	7,84%						

Byggevaredeklarasjon - NTech Sikkerhetsvindu

Material: Tre + aluminiumKarm: 105Glass: 3-lags

Gjelder for produktkoder:
ND

Guide plate	0,06%	2,53%	Zinc alloy		0,06%	2,52%							
			Surf. treatment Zn coating		0,000%	0,01%							
Strike plate	0,10%	4,44%	Zinc alloy		0,10%	4,44%							
			Surf. treatment Zn coating		0,000%	0,001%							
Guide part	0,09%	3,88%	Zinc alloy		0,09%	3,88%							
Screws													
Srews Dac coating	0,03%	1,55%	Steel, coated (not staines steel)		0,03%	1,55%							
Srews Dac coating	0,02%	1,08%	Steel, coated (not staines steel)		0,02%	1,08%							
Srews Dac coating	0,04%	1,85%	Steel, coated (not staines steel)		0,04%	1,85%							
Screws Zytec+ coating	0,004%	0,18%	Steel, coated (not staines steel)		0,00%	0,18%							
Screws	0,02%	0,85%	Steel zinc galvanized		0,02%	0,85%							
Screws	0,01%	0,66%	Steel zinc galvanized		0,01%	0,66%							
Nail	0,001%	0,05%	Steel zinc galvanized		0,00%	0,05%							
Nail	0,01%	0,46%	Steel zinc galvanized		0,01%	0,46%							

4. Raw materials

Recycled materials in the article	Share of raw material	Share of product
Aluminium	8,00%	0,48%
Glass	28,00%	16,91%

Renewable material	Share
Wood	26,15%

Grade of certified wood:	70-100%
Certification system:	PEFC

Certificate

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
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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-5176-4508
EPD, declared size:	1230x1480	EPD-Name:	NorDan NTech Tilt and Turn 3 handle - ND 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 **
97,3	130,9	-33,8	0,16	1,80

* For project-specific values contact NorDan
** GWP value without the influence of biogenic carbon

Byggevarerdeklarasjon - NTech Sikkerhetsvindu

Marked:



Dokument ID: 000D18(1.01)

Dato: 21. Desember 2023

Side: 6 av 7

Material: Tre + aluminium

Karm: 105

Glass: 3-lags

Gjelder for produktkoder:

ND

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: 68,61%

Material	Weight % of whole item	Waste code
Aluminium	5,99%	EWC 170402
Metal	2,24%	EWC 170407
Glass	60,38%	EWC 200102

Is energy recovery possible?

Yes

Energy recovery rate 31,39%

Material	Weight % of whole item	Waste code
Wood with sealant	27,22%	EWC 170201
Plastic/rubber	4,17%	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

Emissions to indoor air

Byggevaredeklarasjon - NTech Sikkerhetsvindu

Material: Tre + aluminium

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Glass: 3-lags

Marked:



Dokument ID: 000D18(1.01)

Dato: 21. Desember 2023

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Gjelder for produktkoder:
ND

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			
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)
v6.1			
v6.0			
2016v1.2			



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			
v6.0	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.
2017v1.1			
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 (Husproduktsporalen)
NorDan ND Kipp Dreh Trä/Alu 105 mm

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 Byggvarubedömningen. Name: NorDan ND Dreh-kipp Säkerhetsfönster 105 Trä/Alu



Yes The product is listed in the database from SundaHus. Name: NorDan ND Dreh-kipp Säkerhetsfönster Trä/Alu 105



No The product is not listed in the database from Basta

Nordic Swan Ecolabel

Yes NorDan NTech Tilt and Turn 3 handle is available as Swan Ecolabel