

Byggevaredeklarasjon - NTech Villa Sidehengslet, TA

Marked:



Dokument ID: 000E43(1.00)

Dato: 13 Mai 2024

Side: 2 av 7

Material: Tre + aluminium

Karm: 105

Glass: 3-lags

Gjelder for produktkoder:

TA

Primer	0,15%	0,86%	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	0,05%	0,30%	Hexamethylene diisocyanate, oligomers	28182-81-2	0,05%	0,27%	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	0,23%	1,34%	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							✓
Adhesive & Sealant	0,18%	1,07%												
Adhesiv, finger joints, frame	0,16%	0,97%	Polyvinyl acetate emul. waterbased		0,16%	0,97%								
<i>Note: PVAc dispersion adhesive</i>														
Adhesive, frame	0,02%	0,10%	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							✓
2. Sash	11,03%	100,0%												
Wood material sash	10,44%	94,65%												
Sash top	2,36%	21,42%	Untreated pine, finger jointed		2,36%	21,42%								
Sash side	5,81%	52,64%	Untreated pine, finger jointed		5,81%	52,64%								
Sash bottom	2,27%	20,59%	Untreated pine, finger jointed		2,27%	20,59%								
Wood treatment & Coating	0,42%	3,77%												
Wood preservative	0,004%	0,04%	Propiokonazol	60207-90-1	<0,001%	0,001%			✓	✓	✓			
<i>Note: Wood preservative to prevent wood rot</i>														
Primer	0,14%	1,29%	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	0,05%	0,44%	Hexamethylene diisocyanate, oligomers	28182-81-2	0,04%	0,40%	H332, H317, H335							

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NorDan[®]

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			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	0,72%	1,13%	Zeolites	1318-02-1	0,72%	1,13%					
			Quartz	14808-60-7	0,01%	0,01%					
Argon	0,10%	0,15%	Argon	7440-37-1	0,10%	0,15%					
4. Aluminium profiles	4,99%	100,0%									
Cladding, frame top, side	1,30%	25,97%	Aluminium	EN AW-6060	1,30%	25,97%					
Cladding, sash top, side	1,27%	25,49%	Aluminium	EN AW-6060	1,27%	25,49%					
Cladding, sash bottom	0,31%	6,22%	Aluminium	EN AW-6060	0,31%	6,22%					
Glazing strip, bottom	0,58%	11,57%	Aluminium	EN AW-6060	0,58%	11,57%					
Glazing strip, top, side	1,19%	23,75%	Aluminium	EN AW-6060	1,19%	23,75%					
Powder coating	0,35%	6,99%	3,9-bis(2,4-di-tertbutylphenoxy)-2,4,8,10-tetraoxa-3,9-diphosphaspiro[5.5]undecane	26741-53-7	0,004%	0,05%	H410				
5. Plastic parts	0,30%	100,0%									
Plastic clip	0,04%	13,26%	POM		0,04%	13,26%					
Guide part top, bottom	0,04%	12,21%	POM		0,04%	12,21%					
Strike plate top, bottom	0,02%	7,73%	POM		0,02%	7,73%					
Cover plug	0,01%	1,80%	LDPE	9002-88-4	0,01%	1,80%					
Glazing packer	0,04%	15,21%	LDPE	9002-88-4	0,04%	15,21%					
Glazing packer	0,04%	11,86%	LLDPE	9002-88-4	0,04%	11,86%					
Plastic clip	0,11%	37,93%	PA6	25038-54-4	0,11%	37,93%					
6. Seals, rubber & TPU parts	0,74%	100,0%									
Gasket EPDM	0,50%	67,52%	EPDM polymer	25038-36-2	0,17%	23,63%					
			Carbon black	1333-86-4	0,10%	13,50%					
			Paraffin oils	8012-95-1	0,10%	13,50%					
			Calcium carbonate	471-34-1	0,12%	16,88%					
Gasket black	0,15%	19,67%	LDPE liner	9002-88-4	0,07%	9,84%					
			PU foam	9009-54-5	0,07%	9,84%					
Gasket white	0,05%	6,11%	TPE		0,05%	6,11%					
Brush-list	0,05%	6,70%	PP		0,05%	6,70%					
7. Metal parts	2,21%	100,0%									
Hinge, frame	0,59%	26,76%	Steel	DC01, Q235	0,43%	19,71%					
			Stainless steel	1.4301, 304	0,13%	5,87%					
			Steel	ML08AL	0,01%	0,43%					
			PA66		0,003%	0,14%					
			Surf. Treatment, powder coat, Zn plating		0,01%	0,60%					
Hinge, sash	0,51%	23,09%	Steel	DC01, Q235	0,43%	19,71%					
			Stainless steel	1.4301, 304	0,06%	2,64%					

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			PA66		0,003%	0,14%													
			Surf. Treatment, powder coat, Zn plating		0,01%	0,60%													
Restrictor	0,10%	4,44%	Stainless steel	1.4401, 316	0,10%	4,44%													
Fixing plate with rivet	0,04%	1,84%	Stainless steel	1.4401, 316	0,04%	1,84%													
Handle	0,16%	7,11%	Aluminium AlMg3	EN AW-5754	0,16%	7,04%													
Esp. rod	0,50%	22,62%	Steel	35K, 1.0501	0,50%	22,54%													
			Surf. Treatment, Zn-Ni plating		0,002%	0,09%													
Gearbox window esp.	0,13%	6,01%	Steel	DC01, Q235	0,08%	3,67%													
			Sintered Steel	FN02050-20	0,05%	2,34%													
			Surf. Treatment, Zn-Ni plating		<0,001%	0,002%													
Screws / Nails																			
Srews Dac-coating	0,05%	2,25%	Steel, coated (not stainless steel)		0,05%	2,25%													
Screws	0,10%	4,60%	Steel, zinc galvanized		0,10%	4,60%													
Screws A2	0,01%	0,46%	Stainless steel	304	0,01%	0,46%													
Screws A4	0,01%	0,28%	Stainless steel	316	0,01%	0,28%													
Nails	0,01%	0,54%	Steel, zinc galvanized		0,01%	0,54%													

4. Raw materials

Recycled materials in the article	Share of raw material	Share of product	Renewable material	Share
Aluminium	8,00%	0,40%	Wood	26,71%
Glass	28,00%	16,95%		

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-5951-5203

EPD, declared size:

1230x1480

EPD-Name:

NorDan NTech Villa Sidehinged - TA 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 **
106,1	140,0	-34,0	0,13	1,97

* For project-specific values contact NorDan

** GWP value without the influence of biogenic carbon



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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: **67,75%**

Material	Weight % of whole item	Waste code
Aluminium	4,99%	EWC 170402
Metal	2,21%	EWC 170407
Glass	60,55%	EWC 200102

Is energy recovery possible? **Yes**

Energy recovery rate: **32,25%**

Material	Weight % of whole item	Waste code
Wood with sealant	27,91%	EWC 170201
Plastic/rubber	4,34%	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	0,28 mg/m ³
Formaldehyde ₂₈	<0,005 mg/m ³

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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

HPP (Husproduktspalten)

-

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, NorDan NTech Villa Sidehengslet TA Trå/Alu



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 Swan Ecolabel is available for the product