

Byggevarerklarasjon - NTech Villa Fast karm m/ramme, BM

Marked:



Dokument ID: 000E0F(1.00)

Dato: 18 Mars 2024

Side: 1 av 7

Material: Tre + aluminium

Karm: 105

Glass: 3-lags

Gjelder for produktkoder:

BM

1. Company information

NorDan AS

Stasjonsveien 46
N-4460 Moi - Norway

Organization number: 979776233

Contact person: Linda Jonsson

Email: linda.jonsson@nordan.se

Telephone number: +46 (0) 10-130 01 75

ISO certifications: ISO 9001
ISO 14001

2. Product data

Trade name: NorDan NTech Villa Fixed frame with sash - BM 105/80 Declared size: 1230x1480 mm

Product classification: BK04 Product Group ID: 04107, 04109

Description of goods: NorDan NTech Villa Fixed frame with sash - BM 105/80 in size 1230x1480 mm tripple 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

URL¹ to public product documentation: https://portal.nordan.no/ndocs/search?category=document_EPD Product Code: BM

* link to NorDan's public document system, NDocs

3. Chemical content

Product weight: 73,81 kg Date for the declaration: 2024-03-18

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	20,23%												
2. Sash	7,81%												
3. IGU - Insulated glass units	59,83%												
4. Aluminium profiles	6,04%												
5. Plastic parts	0,34%												
6. Seals, rubber & TPU parts	0,90%												
7. Metal parts	4,85%												
1. Frame	20,23%	100,0%											
Wood material frame	19,48%	96,31%											
Frame top	3,32%	16,40%	Untreated pine, finger jointed		3,32%	16,40%							
Frame side	8,10%	40,06%	Untreated pine, finger jointed		8,10%	40,06%							
Frame bottom	3,20%	15,82%	Untreated pine, finger jointed		3,20%	15,82%							
Frame mullion	4,86%	24,02%	Untreated pine, finger jointed		4,86%	24,02%							
Wood treatment & Coating	0,54%	2,65%											
Wood preservative	0,01%	0,04%	Propiokonazol	60207-90-1	0,000%	0,001%				✓	✓	✓	
<i>Note: Wood preservative to prevent wood rot.</i>													

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4. Aluminium profiles		6,04%	100,0%							
Cladding, frame mullion	0,41%	6,79%	Aluminium	EN AW-6060	0,41%	6,79%				
Cladding, frame top, side	1,19%	19,66%	Aluminium	EN AW-6060	1,19%	19,66%				
Cladding, sash top, side	0,98%	16,30%	Aluminium	EN AW-6060	0,98%	16,30%				
Cladding, sash bottom	0,14%	2,27%	Aluminium	EN AW-6061	0,14%	2,27%				
Glazing strip, fixed frame botto	0,24%	3,92%	Aluminium	EN AW-6062	0,24%	3,92%				
Glazing strip, fixed frame top, s	1,90%	31,49%	Aluminium	EN AW-6063	1,90%	31,49%				
Glazing strip, sash bottom	0,23%	3,82%	Aluminium	EN AW-6064	0,23%	3,82%				
Cover profile sash side	0,18%	3,01%	Aluminium	EN AW-6065	0,18%	3,01%				
Sliding track sash side	0,36%	6,03%	Aluminium	EN AW-6066	0,36%	6,03%				
Powder coating	0,41%	6,71%	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		0,34%	100,0%							
Plastic clip	0,04%	12,02%	POM		0,04%	12,02%				
Plastic clip	0,07%	21,76%	PA6	25038-54-4	0,07%	21,76%				
Glazing packer	0,06%	19,04%	LLDPE	9002-88-4	0,06%	19,04%				
Glazing packer	0,08%	24,42%	LDPE	9002-88-4	0,08%	24,42%				
Strikeplate	0,03%	8,07%	POM		0,03%	8,07%				
Guide part	0,03%	8,46%	POM		0,03%	8,46%				
Tape	0,01%	2,56%	PP	9003-07-0	0,01%	2,56%				
Cover plug	0,005%	1,45%	LDPE	9002-88-4	0,005%	1,45%				
Guide part	0,01%	2,21%	ABS	9003-56-9	0,01%	2,21%				
6. Seals, rubber & TPU parts		0,90%	100,0%							
Gasket EPDM	0,72%	79,44%	EPDM polymer	25038-36-2	0,25%	27,81%				
			Carbon black	1333-86-4	0,14%	15,89%				
			Paraffin oils	8012-95-1	0,14%	15,89%				
			Calcium carbonate	471-34-1	0,18%	19,86%				
Gasket black	0,10%	11,25%	LDPE liner	9002-88-4	0,05%	5,62%				
			PU foam	9009-54-5	0,05%	5,62%				
Gasket white	0,02%	2,18%	TPE		0,02%	2,18%				
Brush-list	0,06%	7,13%	PP		0,06%	7,13%				
7. Metal parts		4,85%	100,0%							
Gearbox window esp.	0,12%	2,50%	Steel	DC01, Q235	0,07%	1,53%				
			Sintered Steel	FN02050-20	0,05%	0,97%				
			Surf. Treatment, Zn-Ni plating		0,000%	0,001%				
Esp. rod	0,20%	4,14%	Steel	35K, 1.0501	0,12%	2,49%				
			Surf. Treatment, Zn-Ni plating		0,000%	0,01%				
Handle	0,14%	2,96%	Aluminium AIMg3	7429-90-5	0,14%	2,93%				
Sliding Hinge R+L	3,83%	78,94%	Steel	DC01, Q235	3,59%	73,90%				
			Stainless steel	1.4401, 316	0,17%	3,44%				
			Steel	Q215	0,05%	0,95%				
			ASA, Acrylonitrile Styrene Acrylate		0,002%	0,03%				
			POM		0,000%	0,01%				
			Surf. Treatment, coating, Zn plating		0,03%	0,62%				
Toppslide R+L	0,29%	6,05%	Steel	DC01 (Q235)	0,22%	4,47%				
			Steel	SAPH440	0,06%	1,18%				
			Steel	ML08AL	0,01%	0,20%				
			POM		0,004%	0,09%				
			Surf. Treatment, coating, Zn plating		0,005%	0,10%				

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Centre pivot bushing	0,09%	1,95%	Sintered Steel	FN02050-20	0,06%	1,22%								
			Stainless steel	1,4301, 316	0,02%	0,33%								
			Stainless steel	301	0,01%	0,15%								
			ASA, Acrylonitrile Styrene Acrylate		0,01%	0,24%								
			Surf. Treatment, coating, dacromet		0,000%	0,000%								
Screws / Nails														
Srews Dac-coating	0,05%	0,99%	Steel, coated (not stainless steel)		0,05%	0,99%								
Screws A2	0,02%	0,51%	Stainless steel	1.4301, 304	0,02%	0,51%								
Screws A4	0,02%	0,47%	Stainless steel	1.4401, 316	0,02%	0,47%								
Screws	0,06%	1,18%	Steel, zinc galvanized		0,06%	1,18%								
Nails	0,02%	0,32%	Steel, zinc galvanized		0,02%	0,32%								

4. Raw materials

Recycled materials in the article	Share of raw material	Share of product	Renewable material	Share
Aluminium	8,00%	0,48%	Wood	26,82%
Glass	28,00%	15,43%		

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-5602-4897

EPD, declared size: 1230x1480

EPD-Name: NorDan NTech Villa Fixed frame with sash - BM 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 **
110,1	146,2	-36,3	0,17	1,89

* 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

Material	EWC	Code
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: 66,01%

Material	Weight % of whole item	Waste code
Aluminium	6,04%	EWC 170402
Metal	4,85%	EWC 170407
Glass	55,12%	EWC 200102

Is energy recovery possible? Yes

Energy recovery rate 33,99%

Material	Weight % of whole item	Waste code
Wood with sealant	28,04%	EWC 170201
Plastic/rubber	5,95%	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 0,27 mg/m³

Formaldehyde₂₈ <0,005 mg/m³



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 (Husproduktportalen)	-
SCDP (Supply Chain Declaration Portal)	-

13. Product Assessment System



No	ECOproduct isn't available for the product today
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No	The product is not listed in the database from Byggvarubedömningen
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No	The product is not listed in the database from SundaHus
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No	The product is not listed in the database from Basta
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Nordic Swan Ecolabel

Yes	Swan Ecolabel is available for the product
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