

Byggevaredeklarasjon - NTech Villa Sikkerhetsdør, BE

Marked:



Dokument ID: 000D3B(1.02)

Dato: 11 Januar 2024

Side: 1 av 8

Material: Tre + aluminium

Karm: 105

Glass: 3-lags

Gjelder for produktkoder:

BE

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 Balcony door (security) - BE 105/80 Declared size: 1230x2180 mm

Product classification: BK04 Product Group ID: 04111

Description of goods: NorDan NTech Villa Balcony door (security) - BE 105/80 in size 1230x2180 mm tripple glazed 4E#+16G+4+16G+#E4 with aluminium cladding is covered in this BPD Declaration of Performance: DoP-ND-100-1

Estimated technical lifetime: 60 years

URL* to public product documentation: https://portal.nordan.no/ndocs/search?category=document_FPD Product Code: BE

* link to NorDan's public document system, NDocs

3. Chemical content

Product weight: 102,95 kg Date for the declaration: 2024-01-11

Material content is declared to: 100% The content is checked against the candidate list, edition: 2023-06-14

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 | Chemsec SIN-list | Svenska PRIO-listan | Den norske prioritetslista |
|-------------------------------------|--|---------------------------|---|------------|--|--|----------------|-----------------------|-----------------------------|----------------------|------------------|---------------------|----------------------------|
| Total | 100% | | | | | | | | | | | | |
| 1. Frame | 12,01% | | | | | | | | | | | | |
| 2. Sash | 15,50% | | | | | | | | | | | | |
| 3. IGU - Insulated glass unit | 60,32% | | | | | | | | | | | | |
| 4. Aluminium profiles | 6,12% | | | | | | | | | | | | |
| 5. Plastic parts | 0,13% | | | | | | | | | | | | |
| 6. Seals, rubber & TPU parts | 0,65% | | | | | | | | | | | | |
| 7. Metal parts | 5,27% | | | | | | | | | | | | |
| 1. Frame | 12,01% | 100% | | | | | | | | | | | |
| Wood material frame | 11,16% | 92,90% | | | | | | | | | | | |
| Frame side | 8,71% | 72,55% | Untreated pine, finger jointed | | 8,71% | 72,55% | | | | | | | |
| Frame top | 2,44% | 20,36% | Untreated pine, finger jointed | | 2,44% | 20,36% | | | | | | | |
| Threshold | 0,43% | 3,62% | | | | | | | | | | | |
| Threshold | 0,43% | 3,62% | Heat treated pine, finger jointed | | 0,43% | 3,62% | | | | | | | |
| Wood treatment & Coating | 0,29% | 2,45% | | | | | | | | | | | |
| Wood preservative | 0,004% | 0,04% | Propiokonazol | 60207-90-1 | 0,000% | 0,001% | | | | ✓ | ✓ | ✓ | |

Byggevarerdeklarasjon - NTech Villa Sikkerhetsdør, BE

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| | | | | | | | | | | | | |
|--|---------------|--------------|---|------------|--------|--------|--|--|--|--|---|---|
| Top Coat | 0,20% | 1,26% | 3-iodo-2-propynyl butylcarbamate | 55406-53-6 | 0,000% | 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 | 0,000% | 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 | 0,000% | 0,000% | H301, H310, H330, H314, H318, H317, H400, H410 | | | | | ✓ |
| Adhesive & Sealant | 0,20% | 1,32% | | | | | | | | | | |
| Adhesiv, finger joints, sash <i>Note: PVAc dispersion adhesive</i> | 0,15% | 0,97% | Polyvinyl acetate emul. Waterbased. | | 0,15% | 0,97% | | | | | | |
| Adhesive, sash <i>Note: One component PVAc adhesive of D4 quality</i> | 0,01% | 0,07% | Propylene carbonate | 108-32-7 | 0,000% | 0,002% | 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 <i>Note: 1-component sealant, based on SMX polymer</i> | 0,04% | 0,28% | Distillates (petroleum), hydrotreated light paraffinic | 64742-55-8 | 0,002% | 0,014% | H304 | | | | ✓ | ✓ |
| | | | Trimethoxyvinylsilane | 2768-02-07 | 0,000% | 0,003% | H226, H332, H317 | | | | | |
| | | | reaction mass of N,N'-ethane-1,2-diylbis(hexanamide) and 12-hydroxy-N-[(1-oxyhexyl)amino]ethyl octadecanamide and N,N'-ethane-1,2-diylbis(12-hydroxyoctadecanamide) | 432-430-3 | 0,002% | 0,014% | H413 | | | | | ✓ |
| | | | N-(3-(trimethoxysilyl)propyl)ethylenediamine | 1760-24-3 | 0,000% | 0,003% | H317, H318, H335 | | | | | |
| | | | Diocetylbis(pentane-2,4-dionato-O,O')tin | 54068-28-9 | 0,000% | 0,003% | H317, H371 | | | | | |
| 3. IGU - Insulated glass unit | 60,32% | 100% | | | | | | | | | | |
| Float glass tempered, coated | 38,49% | 63,80% | Flat glass tempered, coated | 65997-17-3 | 38,49% | 63,80% | | | | | | |
| Float glass | 19,09% | 31,65% | Flat glass uncoated | 65997-17-3 | 19,09% | 31,65% | | | | | | |
| Spacer | 0,70% | 1,16% | Stainless steel EN 1.4372 | | 0,04% | 0,06% | | | | | | |
| | | | Polypropylene | 9003-07-0 | 0,66% | 1,10% | | | | | | |
| Primary seal | 0,14% | 0,23% | Carbon black | 1333-86-4 | 0,07% | 0,11% | | | | | | |
| Secondary seal part A | 1,10% | 1,82% | Polyurethane glass sealant | | 1,10% | 1,82% | | | | | | |
| Secondary seal part B | 0,12% | 0,20% | di-"isononyl" phtalate | 28553-12-0 | 0,06% | 0,10% | | | | | ✓ | ✓ |
| | | | Polymeric MDI | 9016-87-9 | 0,04% | 0,06% | 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% | | | | | | |

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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% | 0,49% | Wood | 26,51% |
| Glass | 28,00% | 16,12% | | |

Grade of certified wood: 70-100%

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

Certificate

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-4544-3803

EPD, declared size: 1230x2180

EPD-Name: NorDan NTech Villa Balcony door (security) - BE 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 ** |
| 153,0 | 201,9 | -49,2 | 0,23 | 1,96 |

* 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 product owner's manual
Does the product place special demands on surrounding building materials? See product owner's manual

Does the product require input goods for operation and maintenance? See product owner's manual

9. Demolition

Is the item prepared for dismantling? Yes
Can the product be separated into pure materials for recycling? Yes, see product 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: 68,97%

| Material | Weight % of whole item | Waste code |
|-----------|------------------------|------------|
| Aluminium | 6,12% | EWC 170402 |
| Metal | 5,27% | EWC 170407 |
| Glass | 57,58% | EWC 200102 |

Is energy recovery possible? Yes

Energy recovery rate 31,03%

| Material | Weight % of whole item | Waste code |
|-------------------|------------------------|------------|
| Wood with sealant | 27,51% | EWC 170201 |
| Plastic/rubber | 3,52% | 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

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 | | | |
| v6.1 | 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. |
| v6.0 | | | |
| 2016v1.2 | | | |
| v6.1 | 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 | | | |
| 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 |

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Nordic Swan Ecolabel buildings

HPP (Husproduktspalten)
ND NTech Villa Säkerhetsdörr - BE Trä, Trä/Alu

SCDP (Supply Chain Declaration Portal)

13. Product Assessment System



No ECOproduct isn't available for the product today.



No The product is not listed in the database from Byggsvarubedömningen.



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 Villa Balcony door (security) is available as Swan Ecolabel