

# Byggevaredeklarasjon - NTech Sidehengslet, NS

Marked:

**NorDan**<sup>®</sup>

Dokument ID: 000E59(1.00)

Dato: 24 Mai 2024

Side: 1 av 7

Material: Tre + aluminium

Karm: 105

Glass: 3-lags

Gjelder for produktkoder:  
NS

## 1. Company information

### NorDan AS

Stasjonsveien 46  
N-4460 Moi - Norway  
Organization number: 979776233Contact person: Linda Jonsson  
Email: [linda.jonsson@nordan.se](mailto: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 Sidehinged - NS 105/80 Declared size: 1230x1480 mm

Product classification: SE: BK04 - 04105

Description of goods: NorDan NTech Sidehinged - NS 105/80 in size 1230x1480 mm  
triple 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

URL\* to public product documentation: [https://portal.nordan.no/ndocs/search?category=document\\_EPD](https://portal.nordan.no/ndocs/search?category=document_EPD) Product Code: NS

\* link to NorDan's public document system, NDocs

## 3. Chemical content

Product weight: 68,46 kg Date for the declaration of content: 2024-05-24  
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 |
|---|--|---------------------------|---|------------|--|--|----------------|-----------------------|-----------------------------|---------------------------------------|------------------|---------------------|----------------------------|
| <b>Total</b>                                | <b>100%</b>                              |                           |   |            |  |  |                |                       |                             |                                       |                  |                     |                            |
| 1. Frame                                    | 17,23%                                   |                           |   |            |  |  |                |                       |                             |                                       |                  |                     |                            |
| 2. Sash                                     | 10,27%                                   |                           |   |            |  |  |                |                       |                             |                                       |                  |                     |                            |
| 3. IGU - Insulated glass unit               | 64,30%                                   |                           |   |            |  |  |                |                       |                             |                                       |                  |                     |                            |
| 4. Aluminium profiles                       | 6,05%                                    |                           |   |            |  |  |                |                       |                             |                                       |                  |                     |                            |
| 5. Plastic parts                            | 0,31%                                    |                           |   |            |  |  |                |                       |                             |                                       |                  |                     |                            |
| 6. Seals, rubber & TPU parts                | 0,62%                                    |                           |   |            |  |  |                |                       |                             |                                       |                  |                     |                            |
| 7. Metal parts                              | 1,20%                                    |                           |   |            |  |  |                |                       |                             |                                       |                  |                     |                            |
| <b>1. Frame</b>                             | <b>17,23%</b>                            | <b>100,0%</b>             |   |            |  |  |                |                       |                             |                                       |                  |                     |                            |
| <b>Wood material frame</b>                  | <b>16,63%</b>                            | <b>96,53%</b>             |   |            |  |  |                |                       |                             |                                       |                  |                     |                            |
| Frame side                                  | 8,71%                                    | 50,53%                    | Untreated pine, finger jointed          |            | 8,71%                                    | 50,53%                                     |                |                       |                             |                                       |                  |                     |                            |
| Frame bottom                                | 3,36%                                    | 19,52%                    | Untreated pine, finger jointed          |            | 3,36%                                    | 19,52%                                     |                |                       |                             |                                       |                  |                     |                            |
| Frame top                                   | 4,56%                                    | 26,48%                    | Untreated pine, finger jointed          |            | 4,56%                                    | 26,48%                                     |                |                       |                             |                                       |                  |                     |                            |
| <b>Wood treatment &amp; Coating</b>         | <b>0,41%</b>                             | <b>2,40%</b>              |   |            |  |  |                |                       |                             |                                       |                  |                     |                            |
| Wood preservative                           | 0,01%                                    | 0,04%                     | Propiokonazol                           | 60207-90-1 | <0,001%                                  | 0,001%                                     |                |                       |                             | ✓                                     | ✓                | ✓                   |                            |
| Note: Wood preservative to prevent wood rot |  |                           |   |            |  |  |                |                       |                             |                                       |                  |                     |                            |





# Byggevarerdeklarasjon - NTech Sidehengslet, NS

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NS

| 4. Aluminium profiles        |        | 6,05%  | 100,0%   |            |         |        |      |  |  |  |  |  |  |
|------------------------------|--------|--------|--|------------|---------|--------|------|--|--|--|--|--|--|
| Cladding, frame top          | 0,85%  | 14,06% | Aluminium  | EN AW-6060 | 0,85%   | 14,06% |      |  |  |  |  |  |  |
| Cladding, frame bottom       | 0,83%  | 13,63% | Aluminium  | EN AW-6060 | 0,83%   | 13,63% |      |  |  |  |  |  |  |
| Cladding, frame side         | 2,36%  | 38,96% | Aluminium  | EN AW-6060 | 2,36%   | 38,96% |      |  |  |  |  |  |  |
| Glazing strip, top, side     | 1,18%  | 19,50% | Aluminium  | EN AW-6060 | 1,18%   | 19,50% |      |  |  |  |  |  |  |
| Glazing strip, bottom        | 0,47%  | 7,84%  | Aluminium  | EN AW-6060 | 0,47%   | 7,84%  |      |  |  |  |  |  |  |
| Powder coating               | 0,36%  | 6,01%  | 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             |        | 0,31%  | 100,0%   |            |         |        |      |  |  |  |  |  |  |
| Plastic clip                 | 0,11%  | 33,81% | POM  |            | 0,11%   | 33,81% |      |  |  |  |  |  |  |
| Plastic clip                 | 0,03%  | 8,87%  | PA6  | 25038-54-4 | 0,03%   | 8,87%  |      |  |  |  |  |  |  |
| Glazing packer               | 0,04%  | 14,15% | LDPE   | 9002-88-4  | 0,04%   | 14,15% |      |  |  |  |  |  |  |
| Plastic clip                 | 0,03%  | 11,03% | LLDPE  | 9002-88-4  | 0,03%   | 11,03% |      |  |  |  |  |  |  |
| Framepart for tounge         | 0,06%  | 18,16% | POM  |            | 0,06%   | 18,16% |      |  |  |  |  |  |  |
| Frame part side              | 0,02%  | 5,03%  | POM  |            | 0,02%   | 5,03%  |      |  |  |  |  |  |  |
| Strike plate                 | 0,01%  | 3,03%  | POM  |            | 0,01%   | 3,03%  |      |  |  |  |  |  |  |
| Guide part                   | 0,01%  | 1,72%  | POM  |            | 0,01%   | 1,72%  |      |  |  |  |  |  |  |
| Cover Plug                   | 0,01%  | 1,68%  | LDPE   | 9002-88-4  | 0,01%   | 1,68%  |      |  |  |  |  |  |  |
| EndCap                       | 0,004% | 1,40%  | PP   | 9003-07-0  | 0,004%  | 1,40%  |      |  |  |  |  |  |  |
| Tightening part              | 0,004% | 1,12%  | POM  |            | 0,004%  | 1,12%  |      |  |  |  |  |  |  |
| 6. Seals, rubber & TPU parts |        | 0,62%  | 100,0%   |            |         |        |      |  |  |  |  |  |  |
| Gasket, black                | 0,13%  | 20,13% | LDPE liner   | 9002-88-4  | 0,06%   | 10,07% |      |  |  |  |  |  |  |
|                              |        |        | PU foam  | 9009-54-5  | 0,06%   | 10,07% |      |  |  |  |  |  |  |
| Gasket EPDM                  | 0,50%  | 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% |      |  |  |  |  |  |  |
| 7. Metal parts               |        | 1,20%  | 100,0%   |            |         |        |      |  |  |  |  |  |  |
| Frame part                   | 0,08%  | 6,55%  | Zinc alloy   |            | 0,08%   | 6,31%  |      |  |  |  |  |  |  |
|                              |        |        | POM  |            | 0,003%  | 0,23%  |      |  |  |  |  |  |  |
|                              |        |        | Surf. treatment Zn coating   |            | <0,001% | 0,01%  |      |  |  |  |  |  |  |
| Espagnolette bolt            | 0,03%  | 2,39%  | Zinc alloy   |            | 0,03%   | 2,39%  |      |  |  |  |  |  |  |
| Espagnolette                 | 0,19%  | 16,00% | Aluminium  | EN AW-6060 | 0,19%   | 16,00% |      |  |  |  |  |  |  |
| Guide plate                  | 0,07%  | 6,11%  | Zinc alloy   |            | 0,06%   | 4,74%  |      |  |  |  |  |  |  |
|                              |        |        | Steel  | Q195       | 0,02%   | 1,36%  |      |  |  |  |  |  |  |
|                              |        |        | Surf. treatment Zn coating   |            | <0,001% | 0,01%  |      |  |  |  |  |  |  |
| Sash part                    | 0,07%  | 6,07%  | Zinc alloy   |            | 0,07%   | 6,05%  |      |  |  |  |  |  |  |
|                              |        |        | Surf. treatment Zn coating   |            | <0,001% | 0,01%  |      |  |  |  |  |  |  |
| Guide plate                  | 0,06%  | 4,76%  | Zinc alloy   |            | 0,06%   | 4,74%  |      |  |  |  |  |  |  |
|                              |        |        | Surf. treatment Zn coating   |            | <0,001% | 0,01%  |      |  |  |  |  |  |  |

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Glass: 3-lags

Gjelder for produktkoder:

NS

|                        |       |        |                                     |                            |         |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
|------------------------|-------|--------|-------------------------------------|----------------------------|---------|--------|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Restrictor             | 0,07% | 6,03%  | Zinc alloy                          |                            | 0,06%   | 4,63%  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                        |       |        | POM                                 |                            | 0,02%   | 1,40%  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sash part for plate    | 0,04% | 3,39%  | Steel                               | DC01, Q235                 | 0,04%   | 3,38%  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                        |       |        | Surf. treatment powder-, Zn coating |                            | <0,001% | 0,004% |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Handle, side, bottom   | 0,29% | 24,00% | Aluminium AlMg3                     | EN AW-5754                 | 0,29%   | 23,76% |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Lockcase, side         | 0,06% | 4,74%  | POM                                 |                            | 0,02%   | 1,27%  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                        |       |        | Zinc alloy                          |                            | 0,04%   | 3,47%  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                        |       |        | Surf. treatment Cr3                 |                            | <0,001% | 0,001% |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Lockcase, side, bottom | 0,11% | 9,13%  | POM                                 |                            | 0,02%   | 2,00%  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                        |       |        | Zinc alloy                          |                            | 0,09%   | 7,10%  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                        |       |        | Surf. treatment Zn coating          |                            | <0,001% | 0,02%  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Screws / Nails</b>  |       |        |                                     |                            |         |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Srews Dac coating      | 0,08% | 6,82%  | Steel, coated (not stainless steel) |                            | 0,08%   | 6,82%  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Screws                 | 0,03% | 2,63%  | Steel zinc galvanized               |                            | 0,03%   | 2,63%  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Screws A2/A4           | 0,01% | 0,41%  | Stainless steel                     | 1.4301, 304<br>1.4401, 306 | 0,01%   | 0,41%  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Nails                  | 0,01% | 0,97%  | Steel zinc galvanized               |                            | 0,01%   | 0,97%  |  |  |  |  |  |  |  |  |  |  |  |  |  |

## 4. Raw materials

| Recycled materials in the article | Share of raw material | Share of product | Renewable material | Share  |
|-----------------------------------|-----------------------|------------------|--------------------|--------|
| Aluminium                         | 8,00%                 | 0,48%            | Wood               | 26,42% |
| Glass                             | 28,00%                | 17,08%           |                    |        |

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-5950-5202

EPD, declared size: 1230x1480

EPD-Name: NorDan NTech Sidehinged - NS 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 ** |
| 92,1  | 125,8  | -33,9  | 0,15  | 1,74  |

\* 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?  
What system? Yes  
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: 68,26%

| Material  | Weight % of whole item | Waste code |
|-----------|------------------------|------------|
| Aluminium | 6,05%                  | EWC 170402 |
| Metal     | 1,20%                  | EWC 170407 |
| Glass     | 61,01%                 | EWC 200102 |

Is energy recovery possible? Yes

Energy recovery rate: 31,74%

| Material          | Weight % of whole item | Waste code |
|-------------------|------------------------|------------|
| Wood with sealant | 27,50%                 | EWC 170201 |
| Plastic/rubber    | 4,23%                  | 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>         | 0,27 mg/m <sup>3</sup>   |
| Formaldehyde <sub>28</sub> | <0,005 mg/m <sup>3</sup> |

# Byggevarerdeklarasjon - NTech Sidehengslet, NS

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Karm: 105

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## 12. Building certification systems

|  |                          |        |        |  |
|--|--------------------------|--------|--------|--|
|  | v6.1<br>v6.0<br>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<br>v6.0<br>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<br>v6.0<br>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<br>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<br>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<br>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 (Husproduktsportalen)  
-  
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 Byggevarebedømmingen |
|                             | No  | The product is not listed in the database from SundaHus             |
|                             | No  | The product is not listed in the database from Basta                |
| <b>Nordic Swan Ecolabel</b> | Yes | Swan Ecolabel is available for the product                          |