# Byggevaredeklarasjon - NTech Villa Sikkerhetsdør, TE

Marked:

NorDan

**Dokument ID:** 000D35(2.00)
**Dato:** 1 Mars 2024


**Material:** Tre + aluminium **Karm:** 105 **Glass:** 3-lags

**Gjelder for produktkoder:**
TE

## 1. Company information

**NorDan Spolka Z o.o**
Powodowo 54
54-200 Wolsztyn - Poland
Organization number: NIP: 9231548435, REGION: 016229807

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) - TE 105/80

Declared size: 1230x2180 mm

Product classification: BK04

Product Group ID: 04111

Description of goods: NorDan NTech Villa Balcony door (security) - TE 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_EPD

Product Code: TE

* link to NorDan's public document system, NDocs

## 3. Chemical content

Product weight: 102,91 kg

Date for the declaration: 2024-01-12

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 | Chemsec SIN-list | Svenska PRIO-listan | Den norske prioritetslista |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total** | **100%** | | | | | | | | | | | | |
| 1. Frame | 12,01% | | | | | | | | | | | | |
| 2. Sash | 15,50% | | | | | | | | | | | | |
| 3. IGU - Insulated glass unit | 60,35% | | | | | | | | | | | | |
| 4. Aluminium profiles | 6,13% | | | | | | | | | | | | |
| 5. Plastic parts | 0,13% | | | | | | | | | | | | |
| 6. Seals, rubber & TPU parts | 0,65% | | | | | | | | | | | | |
| 7. Metal parts | 5,23% | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| **1. Frame** | **12,01%** | **100,0%** | | | | | | | | | | | |
| **Wood material frame** | **11,16%** | **92,90%** | | | | | | | | | | | |
| Frame side | 8,72% | 72,55% | Untreated pine, finger jointed | | 8,72% | 72,55% | | | | | | | |
| Frame top | 2,45% | 20,36% | Untreated pine, finger jointed | | 2,45% | 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 perservative | 0,004% | 0,04% | Propiokonazol | 60207-90-1 | 0,000% | 0,001% | | | | ✓ | ✓ | ✓ | |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Note: Wood preservative to prevent wood rot.* | | | | | | | | | | | | | |
| Primer | 0,100% | 0,83% | 1,2-benzisothiazol-3(2H)-one | 2634-33-5 | 0,000% | 0,000% | H302, H315, H318, H317, H400 | | | | | ✓ | |
| *Note: Waterborne 2-comp. Polyurethane Primer* | | | 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 | | | | | ✓ | |
| Hardner, primer | 0,034% | 0,29% | Hexamethylene diisocyanate, oligomers | 28182-81-2 | 0,03% | 0,26% | H332, H317, H335 | | | | | | |
| | | | 2-methoxy-1-methylethyl acetate | 108-65-6 | 0,01% | 0,06% | H226, H336 | | | | | | |
| | | | Hexamethylene diisocyanate | 822-06-0 | 0,000% | 0,001% | H331, H315, H319, H334, H317, H335 | | ✓ | | | ✓ | |
| Top Coat | 0,16% | 1,30% | 3-iodo-2-propynyl butylcarbamat | 55406-53-6 | 0,000% | 0,003% | H302, H331, H318, H317, H372, H400, H410 | | | | | ✓ | |
| *Note: Water Based, Acrylic binder.* | | | 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** | **0,12%** | **1,03%** | | | | | | | | | | | |
| Adhesiv, finger joints, frame | 0,11% | 0,94% | Polyvinyl acetate emul. Waterbased. | | 0,12% | 0,94% | | | | | | | |
| *Note: PVAc dispersion adhesive* | | | | | | | | | | | | | |
| Adhesive, frame | 0,01% | 0,09% | Propylene carbonate | 108-32-7 | 0,000% | 0,002% | H319 | | | | | | |
| *Note: One component PVAc adhesive of D4 quality* | | | 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 | | | | | ✓ | |
| | | | | | | | | | | | | | |
| **2. Sash** | **15,50%** | **100,0%** | | | | | | | | | | | |
| **Wood material sash** | **14,93%** | **96,29%** | | | | | | | | | | | |
| Sash top | 2,33% | 15,01% | Untreated pine, finger jointed | | 2,33% | 15,01% | | | | | | | |
| Sash side | 8,90% | 57,41% | Untreated pine, finger jointed | | 8,90% | 57,41% | | | | | | | |
| Sash bottom | 2,29% | 14,80% | Untreated pine, finger jointed | | 2,29% | 14,80% | | | | | | | |
| Sash bottom | 1,40% | 9,06% | Untreated pine, finger jointed | | 1,40% | 9,06% | | | | | | | |
| | | | | | | | | | | | | | |
| **Wood treatment & Coating** | **0,37%** | **2,40%** | | | | | | | | | | | |
| Wood perservative | 0,006% | 0,04% | Propiokonazol | 60207-90-1 | 0,000% | 0,001% | | | | ✓ | ✓ | ✓ | |
| *Note: Wood preservative to prevent wood rot.* | | | | | | | | | | | | | |
| Primer | 0,126% | 0,81% | 1,2-benzisothiazol-3(2H)-one | 2634-33-5 | 0,000% | 0,000% | H302, H315, H318, H317, H400 | | | | | ✓ | |
| *Note: Waterborne 2-comp. Polyurethane Primer* | | | 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 | | | | | ✓ | |
| Hardner, primer | 0,043% | 0,28% | Hexamethylene diisocyanate, oligomers | 28182-81-2 | 0,04% | 0,25% | H332, H317, H335 | | | | | | |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 2-methoxy-1-methylethyl acetate | 108-65-6 | 0,01% | 0,06% | H226, H336 | | | | | | |
| | | | Hexamethylene diisocyanate | 822-06-0 | 0,000% | 0,001% | H331, H315, H319, H334, H317, H335 | | ✓ | | | ✓ | |
| Top Coat | 0,20% | 1,26% | 3-iodo-2-propynyl butylcarbamat | 55406-53-6 | 0,000% | 0,003% | H302, H331, H318, H317, H372, H400, H410 | | | | | ✓ | |
| *Note: Water Based, Acrylic binder.* | | | 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 | 0,15% | 0,97% | Polyvinyl acetate emul. Waterbased. | | 0,00% | 0,97% | | | | | | | |
| *Note: PVAc dispersion adhesive* | | | | | | | | | | | | | |
| Adhesive, sash | 0,01% | 0,07% | Propylene carbonate | 108-32-7 | 0,000% | 0,002% | H319 | | | | | | |
| *Note: One component PVAc adhesive of D4 quality* | | | 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 | 0,04% | 0,28% | Distillates (petroleum), hydrotreated light paraffinic | 64742-55-8 | 0,002% | 0,014% | H304 | | | | ✓ | ✓ | |
| *Note: 1-component sealant, based on SMX polymer* | | | Trimethoxyvinylsilane | 2768-02-7 | 0,000% | 0,003% | H226, H332, H317 | | | | | ✓ | |
| | | | 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) | EU nr: 432-430-3 | 0,002% | 0,014% | H413 | | | | | ✓ | |
| | | | N-(3-(trimethoxysilyl)propyl)ethylenediamine | 1760-24-3 | 0,000% | 0,001% | H317, H318, H335 | | | | | | |
| | | | Dioctylbis(pentane-2,4-dionato-0,0')tin | 54068-28-9 | 0,000% | 0,001% | H317, H371 | | | | | | |
| | | | | | | | | | | | | | |
| **3. IGU - Insulated glass unit** | **60,35%** | **100,0%** | | | | | | | | | | | |
| Float glass tempered, coated | 38,50% | 63,80% | Flat glass tempered, coated | 65997-17-3 | 38,50% | 63,80% | | | | | | | |
| Float glass | 19,10% | 31,65% | Flat glass uncoated | 65997-17-3 | 19,10% | 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-"isononyt" 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% | | | | | | | |
| | | | Oxirane,2-[[3-(trimethoxysilyl)propoxy]methyl] | 2530-83-8 | 0,002% | 0,004% | H318, H411 | | | | | | |
| Absorbent | 0,60% | 0,99% | Zeolites | 1318-02-1 | 0,60% | 0,99% | | | | | | | |
| | | | Quartz | 14808-60-7 | 0,01% | 0,01% | | | | | | | |
| Argon | 0,09% | 0,15% | Argon | 7440-37-1 | 0,09% | 0,15% | | | | | | | |
| | | | | | | | | | | | | | |
| **4. Aluminium profiles** | **6,13%** | **100,0%** | | | | | | | | | | | |
| Aluminium caldding frame, top, side | 1,14% | 18,68% | EN AW-6060 | | 1,14% | 18,68% | | | | | | | |
| Threshold, outside profile | 0,83% | 13,49% | EN AW-6060 | | 0,83% | 13,49% | | | | | | | |
| Threshold, inside profile | 0,43% | 6,97% | EN AW-6060 | | 0,43% | 6,97% | | | | | | | |
| Aluminium caldding sash, bottom | 0,10% | 1,64% | EN AW-6060 | | 0,10% | 1,64% | | | | | | | |
| Aluminium caldding sash, top, side | 1,88% | 30,67% | EN AW-6060 | | 1,88% | 30,67% | | | | | | | |
| Aluminium glazing strip, bottom | 0,31% | 5,08% | EN AW-6060 | | 0,31% | 5,08% | | | | | | | |
| Aluminium glazing strip, top, side | 1,05% | 17,14% | EN AW-6060 | | 1,05% | 17,14% | | | | | | | |
| Powder coat | 0,39% | 6,32% | 3,9-bis(2,4-di-tertbutylphenoxy)-2,4,8,10-tetraoxa-3,9-diphosphaspiro[5.5]undecane | 26741-53-7 | 0,004% | 0,06% | H410 | | | | | | |
| | | | | | | | | | | | | | |
| **5. Plastic parts** | **0,13%** | **100,0%** | | | | | | | | | | | |
| Cover plug | 0,004% | 3,38% | LDPE | 9002-88-4 | 0,004% | 3,38% | | | | | | | |
| Plastic clip | 0,02% | 18,86% | POM | | 0,02% | 18,86% | | | | | | | |
| Plastic clip | 0,03% | 25,27% | PA6 | 25038-54-4 | 0,03% | 25,27% | | | | | | | |
| Glazing packer | 0,03% | 22,83% | LDPE | 9002-88-4 | 0,03% | 22,83% | | | | | | | |
| Glazing packer | 0,04% | 29,66% | LLDPE | 9002-88-4 | 0,04% | 29,66% | | | | | | | |
| | | | | | | | | | | | | | |
| **6. Seals, rubber & TPU parts** | **0,65%** | **100,0%** | | | | | | | | | | | |
| Gasket EPDM | 0,41% | 63,95% | EPDM polymer | 25038-36-2 | 0,14% | 22,38% | | | | | | | |
| | | | Carbon black | 1333-86-4 | 0,08% | 12,79% | | | | | | | |
| | | | Paraffin oils | 8012-95-1 | 0,08% | 12,79% | | | | | | | |
| | | | Calcium carbonate | 471-34-1 | 0,10% | 15,99% | | | | | | | |
| Gasket black | 0,12% | 18,47% | LDPE liner | 9002-88-4 | 0,06% | 9,23% | | | | | | | |
| | | | PU foam | 9009-54-5 | 0,06% | 9,23% | | | | | | | |
| Brush-list 4mm | 0,02% | 2,51% | Polyporpylene | | 0,02% | 2,51% | | | | | | | |
| Gasket black, bottom | 0,03% | 4,41% | Polyporpylene | | 0,03% | 4,41% | | | | | | | |
| Brush-list 7mm | 0,07% | 10,66% | Polyporpylene | | 0,07% | 10,66% | | | | | | | |
| | | | | | | | | | | | | | |
| **7. Metal parts** | **5,23%** | **100,0%** | | | | | | | | | | | |
| Espagnolette | 1,56% | 29,78% | Steel C45 | EN 1.0503 | 1,23% | 23,56% | | | | | | | |
| | | | Stainless steel | EN 1.4016 | 0,15% | 2,92% | | | | | | | |
| | | | Steel | EN 1.0330 | 0,08% | 1,61% | | | | | | | |
| | | | Steel | EN 1.0346 | 0,06% | 1,19% | | | | | | | |
| | | | Sintered steel D39 | 65996-66-9 | 0,01% | 0,15% | | | | | | | |
| | | | Steel | EN 1.0718 | 0,01% | 0,12% | | | | | | | |
| | | | Polyamide | 395661-93-5 | 0,01% | 0,11% | | | | | | | |
| | | | POM | | 0,004% | 0,07% | | | | | | | |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Steel | EN 1.0214 | 0,003% | 0,06% | | | | | | | |
| | | | Zinc alloy | 7440-66-6 | 0,001% | 0,01% | | | | | | ✓ | |
| Cover at center lock | 0,01% | 0,20% | Stainless Steel | 1.4301, 304 | 0,01% | 0,20% | | | | | | | |
| Handle, outside | 0,29% | 5,51% | Aluminium AlMg3 | EN AW-5754 | 0,29% | 5,46% | | | | | | | |
| Sq.pin | 0,20% | 3,88% | Steel | 40Cr, 10B21 | 0,14% | 2,60% | | | | | | | |
| | | | Stainless steel | 1.4301, 304 | 0,07% | 1,27% | | | | | | | |
| | | | Surf. treatment plating, coating | | 0,000% | 0,003% | | | | | | | |
| Cylinder, thumbturn | 0,20% | 3,82% | Brass Alloy | CuZn37 | 0,06% | 1,07% | | | | | | | |
| | | | Brass Alloy* | CuZn39Pb3 | 0,12% | 2,21% | | | | | | | |
| | | | ** 3,7% Pb in alloy* | *7439-92-1* | 0,004% | 0,08% | | ✓ | ✓ | | ✓ | ✓ | ✓ |
| | | | Surface treatment Ni | 7440-02-0 | 0,000% | 0,000% | | | ✓ | | | ✓ | |
| | | | Surface treatment Cu | 7440-50-8 | 0,000% | 0,000% | | | | | | | |
| | | | Steel | EN 1.0718 | 0,01% | 0,26% | | | | | | | |
| | | | Steel DC01 | EN 1.0330 | 0,01% | 0,11% | | | | | | | |
| | | | Polyamid (PA) | | 0,004% | 0,08% | | | | | | | |
| | | | Stainless steel | EN 1.4310 | 0,000% | 0,005% | | | | | | | |
| | | | Carbon Steel, C10E | EN 1.1121 | 0,000% | 0,004% | | | | | | | |
| | | | Hostaphan, PET polyethylene terephthalate | 25038-59-9 | 0,000% | 0,001% | | | | | | | |
| Handle, inside | 0,28% | 5,42% | Aluminium AlMg3 | EN AW-5754 | 0,28% | 5,37% | | | | | | | |
| Cylinder extension | 0,09% | 1,63% | Zamak 4 alloy | | 0,09% | 0,001% | | | | | | | |
| Hinge sash | 0,82% | 15,73% | Steel | DC01, Q235 | 0,71% | 13,61% | | | | | | | |
| | | | PA6 | | 0,01% | 0,14% | | | | | | | |
| | | | Steel | ML08AL, HG215 | 0,10% | 1,97% | | | | | | | |
| | | | Surf. treatment plating, coating | | 0,001% | 0,014% | | | | | | | |
| Hinge frame | 1,01% | 19,36% | Steel | DC01, Q235 | 0,75% | 14,29% | | | | | | | |
| | | | PA6 | | 0,01% | 0,15% | | | | | | | |
| | | | Stainless steel | 1.4301, 304 | 0,10% | 1,97% | | | | | | | |
| | | | Steel | ML08AL, HG215 | 0,15% | 2,93% | | | | | | | |
| | | | Surf. treatment plating, coating | | 0,001% | 0,01% | | | | | | | |
| Strike plate for lockhouse | 0,38% | 7,30% | Steel | SAPH 440 | 0,32% | 6,03% | | | | | | | |
| | | | Steel | DC01, Q235 | 0,06% | 1,19% | | | | | | | |
| | | | Zinc alloy | | 0,004% | 0,07% | | | | | | | |
| | | | Surf. treatment Zn plating | | 0,000% | 0,01% | | | | | | | |
| Strike plate | 0,13% | 2,48% | Steel | SAPH 440 | 0,10% | 1,92% | | | | | | | |
| | | | POM | | 0,03% | 0,56% | | | | | | | |
| | | | Surf. treatment Zn plating | | 0,000% | 0,01% | | | | | | | |
| | | | | | | | | | | | | | |
| **Screws/Nails** | | | | | | | | | | | | | |
| Nail | 0,01% | 0,22% | Steel, zinc galvanized | | 0,01% | 0,22% | | | | | | | |
| Nail A2 | 0,01% | 0,14% | Stainless steel | 1.4301, 304 | 0,01% | 0,14% | | | | | | | |
| Screws | 0,09% | 1,66% | Steel, coated (not stainles steel) | | 0,09% | 1,66% | | | | | | | |
| Screws | 0,14% | 2,67% | Steel, zinc galvanized | | 0,14% | 2,67% | | | | | | | |
| Screws A2 | 0,01% | 0,19% | Stainless steel | 1.4301, 304 | 0,01% | 0,19% | | | | | | | |

## 4. Raw materials

| Recycled materials in the article | Share of raw material | Share of product |
|---|---|---|
| Aluminium | 8,00% | 0,49% |
| Glass | 28,00% | 16,13% |

| Renewable material | Share |
|---|---|
| Wood | 26,52% |

| | |
|---|---|
| **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** | Estonia/ Poland/ Finland |

**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-4546-3801 |
| EPD, declared size: | 1230x2180 | EPD-Name: | NorDan NTech Villa Balcony door (security) - TE 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 $GWP_{(total-biognic)}$ / kg ** |
| 214,2 | 263,4 | -49,4 | 0,23 | 2,56 |

*** 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 |

## 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: 68,96%

| Material | Weight % of whole item | Waste code |
|---|---|---|
| Aluminium | 6,13% | EWC 170402 |
| Metal | 5,23% | EWC 170407 |
| Glass | 57,60% | EWC 200102 |

Is energy recovery possible? Yes

Energy recovery rate 31,04%

| Material | Weight % of whole item | Waste code |
|---|---|---|
| Wood with sealant | 27,52% | 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

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$^3$ |

## 12. Building certification systems

| | | | | |
|---|---|---|---|---|
| BREEAM NOR | 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) |
| BREEAM SE | 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 |
| MILJÖ BYGGNAD | 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) | |
| | NorDan TE Dörr Trä/alu 105mm | |
| | SCDP (Supply Chain Declaration Portal) | |

## 13. Product Assessment System

| | | |
|---|---|---|
| ECOproduct | No | ECOproduct isn't available for the product today. |
| BYGGVARUBEDÖMNINGEN | Yes | The product is listed in the database from Byggvarubedömningen. Name: NorDan TE Dörr Trä/Alu 105 |
| SundaHus | Yes | The product is listed in the database from SundaHus. Name: NorDan TE Dörr Trä/Alu 105 |
| BASTA | No | The product is not listed today in the database from Basta |
| **Nordic Swan Ecolabel** | Yes | NorDan NTech Villa Balcony door (security) is available as Swan Ecolabel |