epd-norge
Global program operatør

# Environmental product declaration

in accordance with ISO 14025 and EN 15804+A2

## Flip Spisebord 140x80 H75

The Norwegian EPD Foundation

**Owner of the declaration:**
VAD

**Product:**
Flip Spisebord 140x80 H75

**Declared unit:**
1 pcs

**This declaration is based on Product Category Rules:**
CEN Standard EN 15804:2012+A2:2019 serves as core PCR
NPCR 026:2022 Part B for Furniture

**Program operator:**
The Norwegian EPD Foundation

**Declaration number:**

NEPD-9419-9024

**Registration number:**

NEPD-9419-9024

**Issue date:** 19.03.2025

**Valid to:** 19.03.2030

**EPD software:**
LCAno EPD generator ID: 844449

## General information

**Product**

Flip Spisebord 140x80 H75

**Owner of the declaration:**

VAD
Contact person: Arnt Idar Dalen
Phone:
e-mail: arnt@vad.no

**Program operator:**

The Norwegian EPD Foundation
Post Box 5250 Majorstuen, 0303 Oslo, Norway
Phone: +47 977 22 020
web: www.epd-norge.no

**Manufacturer:**

VAD

**Declaration number:**

NEPD-9419-9024

**Place of production:**

VAD
Sandvikgata 14
6250 Stordal, Norway

**This declaration is based on Product Category Rules:**

CEN Standard EN 15804:2012+A2:2019 serves as core PCR
NPCR 026:2022 Part B for Furniture

**Management system:**

**Statement of liability:**

The owner of the declaration shall be liable for the underlying information and evidence. EPD Norway shall not be liable with respect to manufacturer information, life cycle assessment data and evidences.

**Organisation no:**

982812046

**Declared unit:**

1 pcs Flip Spisebord 140x80 H75

**Issue date:**

19.03.2025

**Declared unit (cradle to gate) with option:**

A1-A3,A4,A5,B2,B3,B4,C1,C2,C3,C4,D

**Valid to:**

19.03.2030

**Year of study:**

**Functional unit:**

Production of the table provided and maintained for a period of 15 years

**Comparability:**

EPD of construction products may not be comparable if they not comply with EN 15804 and seen in a building context.

**General information on verification of EPD from EPD tools:**

Independent verification of data, other environmental information and the declaration according to ISO 14025:2010, § 8.1.3 and § 8.1.4. Verification of each EPD is made according to EPD-Norway's guidelines for verification and approval requiring that tools are i) integrated into the company's environmental management system, ii) the procedures for use of the EPD tool are approved by EPD-Norway, and iii) the process is reviewed annually by an independent third party verifier. See Appendix G of EPD-Norway's General Programme Instructions for further information on EPD tools

**Development and verification of EPD:**

The declaration is created using EPD tool lca.tools ver EPD2022.03, developed by LCA.no. The EPD tool is integrated in the company's management system, and has been approved by EPD Norway.

Developer of EPD: Arnt Idar Dalen

Reviewer of company-specific input data and EPD: Håkon Vad

**Verification of EPD tool:**

Independent third party verification of the EPD tool, background data and test-EPD in accordance with EPDNorway's procedures and guidelines for verification and approval of EPD tools.

Third party verifier:

Elisabet Amat, GREENIZE projects

(no signature required)

**Approved:**

Håkon Hauan
Managing Director of EPD-Norway

## Product

### Product description:

Dining table 140x80cm with HPL table top

http://www.vad.no/en/products/tables/flip/

### Product specification

| Materials | kg | % | Recycled share in material (kg) | Recycled share in material (%) |
|---|---|---|---|---|
| High pressure laminate - HPL thin | 1.00 | 4,18 | 0,24 | 24,074 |
| Metal - Steel | 0,45 | 1,88 | 0.00 | 0.00 |
| Wood - Medium Density Fibreboard (MDF) | 17,36 | 72,60 | 0.00 | 0.00 |
| Wood - Solid beech/birch | 5,10 | 21,32 | 0.00 | 0.00 |
| Total | 23,91 | 100,00 | 0,24 | |

| Packaging | kg | % | Recycled share in material (kg) | Recycled share in material (%) |
|---|---|---|---|---|
| Packaging - Cardboard | 2,00 | 100,00 | 0,00 | 0,00 |
| Total incl. packaging | 25,91 | 100,00 | 0,24 | |

### Technical data:

### Market:

Skandinavia

### Reference service life, product

### Reference service life, building

## LCA: Calculation rules

### Declared unit:

1 pcs Flip Spisebord 140x80 H75

### Cut-off criteria:

All major raw materials and all the essential energy is included. The production processes for raw materials and energy flows with very small amounts (less than 1%) are not included. These cut-off criteria do not apply for hazardous materials and substances.

### Allocation:

The allocation is made in accordance with the provisions of EN 15804. Incoming energy and water and waste production in-house is allocated equally among all products through mass allocation. Effects of primary production of recycled materials is allocated to the main product in which the material was used. The recycling process and transportation of the material is allocated to this analysis.

### Data quality:

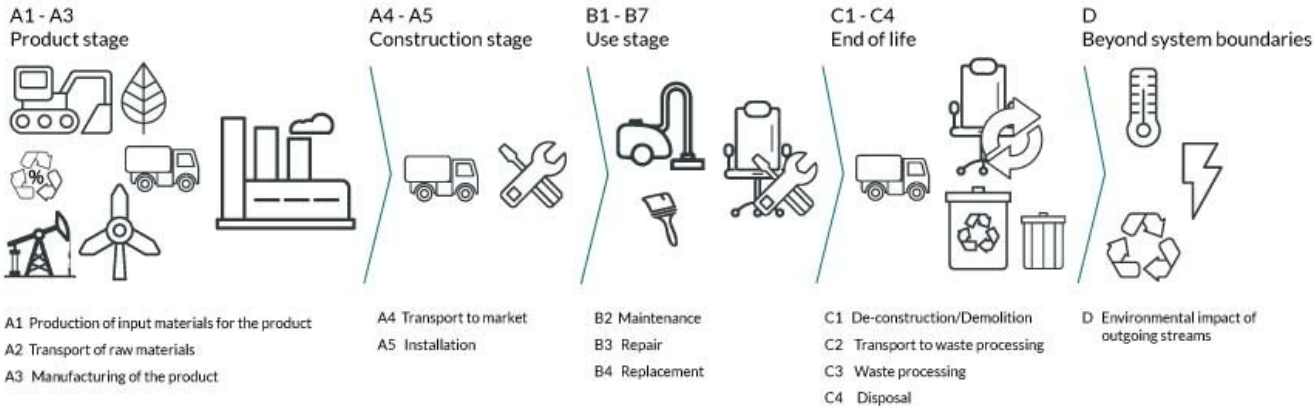
Specific data for the product composition are provided by the manufacturer. They represent the production of the declared product and were collected for EPD development in the year of study. Background data is based on registered EPDs according to EN 15804, Ostfold Research databases, ecoinvent and other LCA databases. The data quality of the raw materials in A1 is presented in the table below.

| Materials | Source | Data quality | Year |
|---|---|---|---|
| High pressure laminate - HPL thin | EPD-ICL-20220238-CBE1-EN | EPD | 2021 |
| Metal - Steel | ecoinvent 3.6 | Database | 2019 |
| Packaging - Cardboard | Modified ecoinvent 3.6 | Database | 2019 |
| Wood - Medium Density Fibreboard (MDF) | ecoinvent 3.6 | Database | 2019 |
| Wood - Solid beech/birch | modified ecoinvent 3.6 | Database | 2019 |

## System boundaries (X=included, MND=module not declared, MNR=module not relevant)

| Product stage | | | Construction installation stage | | Use stage | | | | | | | End of life stage | | | | Beyond the system boundaries |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Raw materials | Transport | Manufacturing | Transport | Assembly | Use | Maintenance | Repair | Replacement | Refurbishment | Operational energy use | Operational water use | De-construction demolition | Transport | Waste processing | Disposal | Reuse-Recovery-Recycling-potential |
| A1 | A2 | A3 | A4 | A5 | B1 | B2 | B3 | B4 | B5 | B6 | B7 | C1 | C2 | C3 | C4 | D |
| X | X | X | X | X | MND | X | X | X | MND | MND | MND | X | X | X | X | X |

### System boundary:




### Additional technical information:

## LCA: Scenarios and additional technical information

The following information describe the scenarios in the different modules of the EPD.

Ingen spesielle behov for ekstra beskrivelser

| Transport from production place to user (A4) | Capacity utilisation (incl. return) % | Distance (km) | Fuel/Energy Consumption | Unit | Value (Liter/tonne) |
|---|---|---|---|---|---|
| Ship, Ferry, Sea (kgkm) | 50,0 % | 400 | 0,034 | l/tkm | 13,60 |
| Truck, 16-32 tonnes, EURO 6 (km) | 36,7 % | 910 | 0,043 | l/tkm | 39,13 |

| Assembly (A5) | Unit | Value | | | |
|---|---|---|---|---|---|
| Waste, packaging, corrugated board box, 0 % recycled, to average treatment (kg) | kg | 2.00 | | | |

| Waste processing (C3) | Unit | Value | | | |
|---|---|---|---|---|---|
| Waste treatment per kg Wood, incineration with fly ash extraction (kg) | kg | 22,46 | | | |
| Waste treatment per kg Non-hazardous waste, incineration with fly ash extraction - C3 (kg) | kg | 1.00 | | | |
| Waste, materials to recycling (kg) | kg | 0,15 | | | |
| Waste treatment per kg Scrap steel, incineration with fly ash extraction (kg) | kg | 0,45 | | | |

| Disposal (C4) | Unit | Value | | | |
|---|---|---|---|---|---|
| Landfilling of ashes from incineration of Wood, process per kg ashes and residues (kg) | kg | 0,25 | | | |
| Landfilling of ashes from incineration of Non-hazardous waste, process per kg ashes and residues - C4 (kg) | kg | 0,23 | | | |
| Landfilling of ashes and residues from incineration of Scrap steel (kg) | kg | 0,29 | | | |

| Benefits and loads beyond the system boundaries (D) | Unit | Value | | | |
|---|---|---|---|---|---|
| Substitution of thermal energy, district heating, in Norway (MJ) | MJ | 245,29 | | | |
| Substitution of electricity, in Norway (MJ) | MJ | 16,21 | | | |
| Substitution of primary steel with net scrap (kg) | kg | 0,049 | | | |

## LCA: Results

The LCA results are presented below for the declared unit defined on page 2 of the EPD document.

| Environmental impact | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Indicator** | | **Unit** | A1-A3 | A4 | A5 | B2 | B3 |
| | GWP-total | kg $CO_2$ -eq | -1,89E+01 | 4,99E+00 | 3,43E+00 | 0 | 0 |
| | GWP-fossil | kg $CO_2$ -eq | 2,30E+01 | 4,99E+00 | 3,24E-02 | 0 | 0 |
| | GWP-biogenic | kg $CO_2$ -eq | -4,20E+01 | 1,89E-03 | 3,40E+00 | 0 | 0 |
| | GWP-luluc | kg $CO_2$ -eq | 6,39E-02 | 2,08E-03 | 1,07E-05 | 0 | 0 |
| | ODP | kg CFC11 -eq | 2,67E-06 | 1,10E-06 | 6,83E-09 | 0 | 0 |
| | AP | mol H+ -eq | 1,40E-01 | 4,84E-02 | 1,53E-04 | 0 | 0 |
| | EP-FreshWater | kg P -eq | 1,05E-03 | 3,51E-05 | 2,66E-07 | 0 | 0 |
| | EP-Marine | kg N -eq | 2,82E-02 | 1,15E-02 | 5,07E-05 | 0 | 0 |
| | EP-Terrestial | mol N -eq | 3,92E-01 | 1,28E-01 | 5,49E-04 | 0 | 0 |
| | POCP | kg NMVOC -eq | 1,03E-01 | 3,61E-02 | 1,58E-04 | 0 | 0 |
| | ADP-minerals&metals[1] | kg Sb-eq | 3,85E-04 | 1,14E-04 | 7,87E-07 | 0 | 0 |
| | ADP-fossil[1] | MJ | 3,76E+02 | 7,28E+01 | 4,53E-01 | 0 | 0 |
| | WDP[1] | $m^3$ | 3,53E+03 | 5,91E+01 | 5,74E-01 | 0 | 0 |

| **Indicator** | | **Unit** | B4 | C1 | C2 | C3 | C4 | D |
|---|---|---|---|---|---|---|---|---|
| | GWP-total | kg $CO_2$ -eq | 0 | 0 | 0 | 4,14E+01 | 1,50E-02 | -1,53E+00 |
| | GWP-fossil | kg $CO_2$ -eq | 0 | 0 | 0 | 2,62E+00 | 1,49E-02 | -1,48E+00 |
| | GWP-biogenic | kg $CO_2$ -eq | 0 | 0 | 0 | 3,88E+01 | 8,45E-06 | -2,97E-03 |
| | GWP-luluc | kg $CO_2$ -eq | 0 | 0 | 0 | 8,19E-05 | 2,98E-06 | -4,90E-02 |
| | ODP | kg CFC11 -eq | 0 | 0 | 0 | 3,86E-08 | 2,55E-09 | -1,04E-01 |
| | AP | mol H+ -eq | 0 | 0 | 0 | 3,87E-03 | 6,91E-05 | -1,20E-02 |
| | EP-FreshWater | kg P -eq | 0 | 0 | 0 | 6,22E-06 | 1,86E-07 | -1,30E-04 |
| | EP-Marine | kg N -eq | 0 | 0 | 0 | 1,82E-03 | 2,30E-05 | -3,89E-03 |
| | EP-Terrestial | mol N -eq | 0 | 0 | 0 | 1,92E-02 | 2,59E-04 | -4,20E-02 |
| | POCP | kg NMVOC -eq | 0 | 0 | 0 | 4,72E-03 | 7,29E-05 | -1,17E-02 |
| | ADP-minerals&metals[1] | kg Sb-eq | 0 | 0 | 0 | 1,75E-06 | 1,38E-07 | -1,51E-05 |
| | ADP-fossil[1] | MJ | 0 | 0 | 0 | 2,62E+00 | 2,01E-01 | -2,08E+01 |
| | WDP[1] | $m^3$ | 0 | 0 | 0 | -1,42E+00 | 1,18E+00 | -2,50E+02 |

GWP-total = Global Warming Potential total; GWP-fossil = Global Warming Potential fossil fuels; GWP-biogenic = Global Warming Potential biogenic; GWP-luluc = Global Warming Potential land use and land use change; ODP = Depletion potential of the stratospheric ozone layer; AP = Acidification potential, Accumulated Exceedance; EP-freshwater = Eutrophication potential, fraction of nutrients reaching freshwater end compartment: EP-marine = Eutrophication potential, fraction of nutrients reaching marine end compartment; EP-terrestrial = Eutrophication potential, Accumulated Exceedance; POCP = Formation potential of tropospheric ozone; ADP-minerals&metals = Abiotic depletion potential for non-fossil resources; ADP-fossil = Abiotic depletion for fossil resources potential; WDP = Water (user) deprivation potential, deprivation-weighted water consumption

"Reading example: 9,0 E-03 = 9,0*10-3 = 0,009"
*INA Indicator Not Assessed

1. The results of this environmental impact indicator shall be used with care as the uncertainties on these results are high or as there is limited experienced with the indicator

### Remarks to environmental impacts

## Additional environmental impact indicators

| Indicator | | Unit | A1-A3 | A4 | A5 | B2 | B3 |
|---|---|---|---|---|---|---|---|
| | PM | Disease incidence | 2,53E-06 | 2,67E-07 | 2,26E-09 | 0 | 0 |
| | IRP[2] | kgBq U235 -eq | 1,42E+00 | 3,17E-01 | 1,94E-03 | 0 | 0 |
| | ETP-fw[1] | CTUe | 7,00E+02 | 5,15E+01 | 6,04E-01 | 0 | 0 |
| | HTP-c[1] | CTUh | 1,65E-07 | 0,00E+00 | 1,80E-11 | 0 | 0 |
| | HTP-nc[1] | CTUh | 4,22E-07 | 5,75E-08 | 7,58E-10 | 0 | 0 |
| | SQP[1] | dimensionless | 2,10E+03 | 4,26E+01 | 3,04E-01 | 0 | 0 |

| Indicator | | Unit | B4 | C1 | C2 | C3 | C4 | D |
|---|---|---|---|---|---|---|---|---|
| | PM | Disease incidence | 0 | 0 | 0 | 3,94E-08 | 1,05E-09 | -7,14E-07 |
| | IRP[2] | kgBq U235 -eq | 0 | 0 | 0 | 5,89E-03 | 8,74E-04 | -1,30E-01 |
| | ETP-fw[1] | CTUe | 0 | 0 | 0 | 1,07E+01 | 2,43E-01 | -1,14E+02 |
| | HTP-c[1] | CTUh | 0 | 0 | 0 | 1,00E-09 | 1,10E-11 | -2,29E-09 |
| | HTP-nc[1] | CTUh | 0 | 0 | 0 | 4,29E-08 | 4,01E-10 | -1,00E-07 |
| | SQP[1] | dimensionless | 0 | 0 | 0 | 4,11E-01 | 5,31E-01 | -1,36E+02 |

PM = Particulate Matter emissions; IRP = Ionizing radiation – human health; ETP-fw = Eco toxicity – freshwater; HTP-c = Human toxicity – cancer effects; HTP-nc = Human toxicity – non cancer effects; SQP = Soil Quality (dimensionless)

"Reading example: 9,0 E-03 = 9,0*10-3 = 0,009"
*INA Indicator Not Assessed

1. The results of this environmental impact indicator shall be used with care as the uncertainties on these results are high or as there is limited experienced with the indicator
2. This impact category deals mainly with the eventual impact of low dose ionizing radiation on human health of the nuclear fuel cycle. It does not consider effects due to possible nuclear accidents, occupational exposure nor due to radioactive waste disposal in underground facilities. Potential ionizing radiation from the soil, from radon and from some construction materials is also not measured by this indicator.

## Resource use

| Indicator | | Unit | A1-A3 | A4 | A5 | B2 | B3 |
|---|---|---|---|---|---|---|---|
| | PERE | MJ | 3,00E+02 | 9,25E-01 | 7,45E-03 | 0 | 0 |
| | PERM | MJ | 2,26E+02 | 0,00E+00 | -3,18E+01 | 0 | 0 |
| | PERT | MJ | 5,26E+02 | 9,25E-01 | -3,18E+01 | 0 | 0 |
| | PENRE | MJ | 3,70E+02 | 7,28E+01 | 4,53E-01 | 0 | 0 |
| | PENRM | MJ | 8,69E+00 | 0,00E+00 | 0,00E+00 | 0 | 0 |
| | PENRT | MJ | 3,79E+02 | 7,28E+01 | 4,53E-01 | 0 | 0 |
| | SM | kg | 2,41E-01 | 0,00E+00 | 0,00E+00 | 0 | 0 |
| | RSF | MJ | 1,63E+00 | 3,21E-02 | 2,47E-04 | 0 | 0 |
| | NRSF | MJ | 1,37E+00 | 1,07E-01 | 1,02E-03 | 0 | 0 |
| | FW | $m^3$ | 5,05E-01 | 6,93E-03 | 2,14E-04 | 0 | 0 |

| Indicator | | Unit | B4 | C1 | C2 | C3 | C4 | D |
|---|---|---|---|---|---|---|---|---|
| | PERE | MJ | 0 | 0 | 0 | 1,13E-01 | 7,45E-03 | -1,26E+02 |
| | PERM | MJ | 0 | 0 | 0 | -1,94E+02 | 0,00E+00 | 0,00E+00 |
| | PERT | MJ | 0 | 0 | 0 | -1,94E+02 | 7,45E-03 | -1,26E+02 |
| | PENRE | MJ | 0 | 0 | 0 | 2,72E+00 | 2,01E-01 | -2,08E+01 |
| | PENRM | MJ | 0 | 0 | 0 | -8,69E+00 | 0,00E+00 | 0,00E+00 |
| | PENRT | MJ | 0 | 0 | 0 | -5,97E+00 | 2,01E-01 | -2,08E+01 |
| | SM | kg | 0 | 0 | 0 | 0,00E+00 | 0,00E+00 | 0,00E+00 |
| | RSF | MJ | 0 | 0 | 0 | 2,69E-03 | 1,88E-04 | -2,00E-02 |
| | NRSF | MJ | 0 | 0 | 0 | 0,00E+00 | 8,13E-02 | -7,39E+00 |
| | FW | $m^3$ | 0 | 0 | 0 | 5,29E-03 | 1,83E-04 | -1,51E-01 |

PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non renewable primary energy excluding non-renewable primary energy resources used as raw materials; PENRM = Use of non renewable primary energy resources used as raw materials; PENRT = Total use of non renewable primary energy resources; SM = Use of secondary materials; RSF = Use of renewable secondary fuels; NRSF = Use of non-renewable secondary fuels; FW = Net use of fresh water

"Reading example: 9,0 E-03 = 9,0*10-3 = 0,009"
*INA Indicator Not Assessed

## End of life - Waste

| Indicator | | Unit | A1-A3 | A4 | A5 | B2 | B3 |
|---|---|---|---|---|---|---|---|
| | HWD | kg | 2,78E-01 | 3,59E-03 | 0,00E+00 | 0 | 0 |
| | NHWD | kg | 4,50E+00 | 2,86E+00 | 2,00E+00 | 0 | 0 |
| | RWD | kg | 2,14E-03 | 4,98E-04 | 0,00E+00 | 0 | 0 |

| Indicator | | Unit | B4 | C1 | C2 | C3 | C4 | D |
|---|---|---|---|---|---|---|---|---|
| | HWD | kg | 0 | 0 | 0 | 0,00E+00 | 6,87E-01 | -1,24E-03 |
| | NHWD | kg | 0 | 0 | 0 | 1,00E+00 | 1,06E-01 | -5,03E-01 |
| | RWD | kg | 0 | 0 | 0 | 0,00E+00 | 1,38E-06 | -1,06E-04 |

HWD = Hazardous waste disposed; NHWD = Non-hazardous waste disposed; RWD = Radioactive waste disposed

"Reading example: 9,0 E-03 = 9,0*10-3 = 0,009"
*INA Indicator Not Assessed

## End of life - Output flow

| Indicator | | Unit | A1-A3 | A4 | A5 | B2 | B3 |
|---|---|---|---|---|---|---|---|
| | CRU | kg | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0 | 0 |
| | MFR | kg | 3,73E-01 | 0,00E+00 | 1,86E+00 | 0 | 0 |
| | MER | kg | 7,15E-06 | 0,00E+00 | 2,72E-06 | 0 | 0 |
| | EEE | MJ | 9,49E-01 | 0,00E+00 | 1,14E-01 | 0 | 0 |
| | EET | MJ | 1,44E+01 | 0,00E+00 | 1,73E+00 | 0 | 0 |

| Indicator | | Unit | B4 | C1 | C2 | C3 | C4 | D |
|---|---|---|---|---|---|---|---|---|
| | CRU | kg | 0 | 0 | 0 | 0,00E+00 | 0,00E+00 | 0,00E+00 |
| | MFR | kg | 0 | 0 | 0 | 1,53E-01 | 0,00E+00 | 0,00E+00 |
| | MER | kg | 0 | 0 | 0 | 2,39E+01 | 0,00E+00 | 0,00E+00 |
| | EEE | MJ | 0 | 0 | 0 | 1,56E+01 | 0,00E+00 | 0,00E+00 |
| | EET | MJ | 0 | 0 | 0 | 2,37E+02 | 0,00E+00 | 0,00E+00 |

CRU = Components for re-use; MFR = Materials for recycling; MER = Materials for energy recovery; EEE = Exported energy electrical; EET = Exported energy thermal

"Reading example: 9,0 E-03 = 9,0*10-3 = 0,009"
*INA Indicator Not Assessed

## Biogenic Carbon Content

| Indicator | Unit | At the factory gate |
|---|---|---|
| Biogenic carbon content in product | kg C | 1,06E+01 |
| Biogenic carbon content in accompanying packaging | kg C | 9,52E-01 |

Note: 1 kg biogenic carbon is equivalent to 44/12 kg CO2

## Additional requirements

### Greenhouse gas emissions from the use of electricity in the manufacturing phase

National production mix from import, low voltage (production of transmission lines, in addition to direct emissions and losses in grid) of applied electricity for the manufacturing process (A3).

| Electricity mix | Source | Amount | Unit |
|---|---|---|---|
| Electricity, Lithuania (kWh) | ecoinvent 3.6 | 373,46 | g CO2-eq/kWh |

### Dangerous substances

The product contains no substances given by the REACH Candidate list.

### Indoor environment

Har ingen innvirkning på inneklima

## Additional Environmental Information

### Key Environmental Indicators

| Key environmental indicators | Unit | A1-A3 | A4 | A1-C4 | A1-D |
|---|---|---|---|---|---|
| GWPtotal | kg $CO_2$ -eq | -18,95 | 4,99 | 30,91 | 29,39 |
| Total energy consumption | MJ | 672,91 | 73,86 | 750,35 | 596,51 |
| Amount of recycled materials | % | 0,93 | | | |

| Additional environmental impact indicators required in NPCR Part A for construction products | | | | | | |
|---|---|---|---|---|---|---|
| **Indicator** | **Unit** | A1-A3 | A4 | A5 | B2 | B3 |
| GWPIOBC | kg $CO_2$ -eq | 2,19E+01 | 4,99E+00 | 3,24E-02 | 0 | 0 |

| Indicator | Unit | B4 | C1 | C2 | C3 | C4 | D |
|---|---|---|---|---|---|---|---|
| GWPIOBC | kg $CO_2$ -eq | 0 | 0 | 0 | 1,54E+00 | 1,74E-02 | -1,53E+00 |

GWP-IOBC: Global warming potential calculated according to the principle of instantaneous oxidation. In order to increase the transparency of biogenic carbon contribution to climate impact, the indicator GWP-IOBC is required as it declares climate impacts calculated according to the principle of instantaneous oxidation. GWP-IOBC is also referred to as GWP-GHG in context to Swedish public procurement legislation.

### Variants and Options

| Key environmental indicators (A1-A3) for variants of this EPD | | | | |
|---|---|---|---|---|
| **Variants** | **Weight (kg)** | **GWPtotal (kg $CO_2$ -eq)** | **Total energy consumption (MJ)** | **Amount of recycled materials (%)** |
| Flip Sofabord 140x80 H60 | 25,69 | -18,35 | 670,24 | 1,01 |
| Flip Sofabord 120x70 H60 | 19,33 | -12,73 | 517,08 | 0,94 |
| Flip Sofabord Ø60 H60 | 10,18 | -6,13 | 305,70 | 0,59 |
| Flip Spisebord 180x90 H75 | 28,05 | -20,75 | 718,42 | 0,86 |
| Flip Spisebord 120x70 H75 | 21,33 | -15,54 | 568,34 | 0,85 |
| Flip Spisebord 80x80 H75 | 16,64 | -11,25 | 456,51 | 0,83 |
| Flip Spisebord Ø60 H75 | 10,78 | -6,97 | 321,58 | 0,56 |
| Flip Spisebord T-leg 180x90 H75 | 30,00 | -26,31 | 751,23 | 0,80 |
| Flip Spisebord T-leg 140x80 H75 | 27,36 | -23,74 | 693,37 | 0,88 |
| Flip Spisebord T-leg 120x70 H75 | 21,78 | -18,82 | 564,11 | 0,84 |
| Flip Spisebord Elevation 140x80 H75 | 32,31 | -2,94 | 981,59 | 0,75 |
| Flip Spisebord Elevation 140x80 H75 | 32,31 | -2,94 | 981,59 | 0,75 |

## Bibliography

ISO 14025:2010 Environmental labels and declarations - Type III environmental declarations - Principles and procedures.
ISO 14044:2006 Environmental management - Life cycle assessment - Requirements and guidelines.
EN 15804:2012+A2:2019 Environmental product declaration - Core rules for the product category of construction products.
ISO 21930:2017 Sustainability in buildings and civil engineering works - Core rules for environmental product declarations of construction products.
ecoinvent v3, Allocation, cut-off by classification, Swiss Centre of Life Cycle Inventories.
Iversen et al., (2021) eEPD v2021.09 Background information for EPD generator tool system verification, LCA.no Report number: 07.21
Ruud et al., (2023) EPD generator for NPCR026 Part B for Furniture - Background information for EPD generator application and LCA data, LCA.no report number 01.23
NPCR Part A: Construction products and services. Ver. 2.0. March 2021, EPD-Norge.
NPCR 026 Part B for Furniture. Ver. 2.0 March 2022, EPD-Norge.

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