



# Environmental product declaration

In accordance with ISO 14025 and EN15804+A2

TSS 60 P G





TSS 60 P G

**Product:** 

Owner of the declaration:

**Invisible Connections AS** 

**Declared unit:** 

This declaration is based on Product Category Rules: CEN Standard EN 15804:2012+A2:2019 serves as core

NPCR 013:2021 Part B for Steel and aluminium construction products

Program operator:

The Norwegian EPD Foundation

**Declaration number:** 

NEPD-8962-8630

Registration number:

NEPD-8962-8630

Issue date: 05.02.2025

Valid to: 05.02.2030

**EPD** software:

LCAno EPD generator ID: 305633

The Norwegian EPD Foundation



# **General information**

**Product** 

TSS 60 P G

Program operator:

The Norwegian EPD Foundation
Post Box 5250 Majorstuen, 0303 Oslo, Norway

Phone: +47 977 22 020 web: www.epd-norge.no

**Declaration number:** 

NEPD-8962-8630

This declaration is based on Product Category Rules:

CEN Standard EN 15804:2012+A2:2019 serves as core PCR NPCR 013:2021 Part B for Steel and aluminium construction products

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.

**Declared unit:** 

1 pcs TSS 60 P G

Declared unit with option:

A1-A3,A4,A5,C1,C2,C3,C4,D

**Functional unit:** 

Telescopic connector. Inner tube with galvanized steel and outer tube from 100% recycled HDPE

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

**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:

Alexander Borg, Asplan Viak AS

(no signature required)

Owner of the declaration:

Invisible Connections AS Contact person: Phone:

e-mail: terje@invisi.no

Manufacturer:

**Invisible Connections AS** 

Place of production:

**Invisible Connections AS** 

, Norway

**Management system:** 

NS-EN 1090

Organisation no:

992435194

Issue date:

05.02.2025

Valid to:

05.02.2030

Year of study:

2023

Comparability:

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

**Development and verification of EPD:** 

The declaration is created using EPD tool lca.tools NEPDT038, 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: Terje Berg

Reviewer of company-specific input data and EPD: John Egil Sæther

Approved:

Hakon Hauar

Managing Director of EPD-Norway



### **Product**

# **Product description:**

Stair connector to be casted in concrete landings.

https://invisibleconnections.no/en/produkter/stair-landings-connections/rvk/rvk-2/tss-60-p

### **Product specification**

57kN capasity

| kg   | %                                    |
|------|--------------------------------------|
| 0,02 | 0,67                                 |
| 0,30 | 10,04                                |
| 0,05 | 1,51                                 |
| 2,57 | 86,11                                |
| 0,05 | 1,67                                 |
| 2,99 | 100,00                               |
|      |                                      |
| kg   | %                                    |
|      | 0,02<br>0,30<br>0,05<br>2,57<br>0,05 |

| Packaging - Pallet    | 0,14 | 50,00  |
|-----------------------|------|--------|
| Packaging - Wood      | 0,14 | 50,00  |
| Total incl. packaging | 3,27 | 100,00 |

### **Technical data:**

Certificated after NS EN 1090 and EN 1090 UK

#### Market:

Global

### Reference service life, product

Same as building

### Reference service life, building or construction works

100 years

### LCA: Calculation rules

# **Declared unit:**

1 pcs TSS 60 P G

### **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. The data represent the production of the declared product and were collected for EPD development in the year of study. Background data is based on EPDs according to EN 15804 and different LCA databases. The data quality of the raw materials in A1 is presented in the table below.

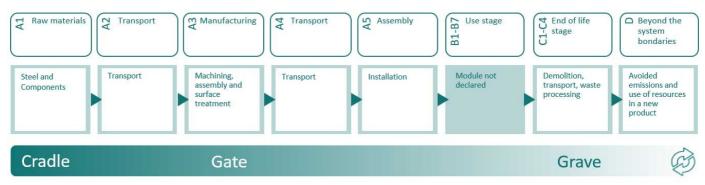
| Materials                     | Source                 | Data quality | Year |
|-------------------------------|------------------------|--------------|------|
| Metal - Stainless steel       | ecoinvent 3.6          | Database     | 2019 |
| Metal - Steel                 | ecoinvent 3.6          | Database     | 2019 |
| Metal - Steel                 | S-P-02241              | EPD          | 2020 |
| Metal - Zinc                  | ecoinvent 3.6          | Database     | 2019 |
| Packaging - Pallet            | Modified ecoinvent 3.6 | Database     | 2019 |
| Packaging - Wood              | ecoinvent 3.6          | Database     | 2019 |
| Plastic - Nylon (PA)          | ecoinvent 3.6          | Database     | 2019 |
| Plastic - Polvethylene (HDPE) | ecoinvent 3.6          | Database     | 2019 |



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

| Р                | roduct stag | ge            |           | uction<br>on stage |     |             |        | Use stage   |               |                              |                          |                                   | End of I  | ife stage           |          | Beyond the system boundaries           |
|------------------|-------------|---------------|-----------|--------------------|-----|-------------|--------|-------------|---------------|------------------------------|--------------------------|-----------------------------------|-----------|---------------------|----------|--|
| Raw<br>materials | Transport   | Manufacturing | Transport | Assembly           | Use | Maintenance | Repair | Replacement | Refurbishment | Operational<br>energy<br>use | Operational<br>water use | De-<br>construction<br>demolition | Transport | Waste<br>processing | Disposal | Reuse-Recovery-<br>Recycling-potential |
| A1               | A2          | A3            | A4        | A5                 | B1  | B2          | В3     | B4          | B5            | В6                           | В7                       | C1                                | C2        | C3                  | C4       | D                                      |
| Χ                | Χ           | Χ             | Χ         | Χ                  | MND | MND         | MND    | MND         | MND           | MND                          | MND                      | Χ                                 | Χ         | Χ                   | Χ        | X                                      |

# **System boundary:**



# Additional technical information:

https://invisibleconnections.no/en



# LCA: Scenarios and additional technical information

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

Products are sent to the factory or building sites that makes the concrete landing. Packaging are 100% recyclabel. Or can be reused. (pallets and frames)

| Transport from production place to user (A4)   | Capacity utilisation<br>(incl. return) % | Distance (km) | Fuel/Energy Consumption | Unit  | Value<br>(Liter/tonne) |
|--|--|---------------|-------------------------|-------|------------------------|
| Truck, 16-32 tonnes, EURO 6 (km)   | 36,7 %                                   | 1000          | 0,043                   | l/tkm | 43,00                  |
| Assembly (A5)  | Unit                                     | Value         |                         |       |                        |
| Waste, packaging, pallet, EUR wooden pallet,<br>reusable, average treatment (kg) - A5, inkl. 85 km<br>transp.        | kg                                       | 0,14          |                         |       |                        |
| Waste, packaging, wood beam, softwood, raw,<br>dried, u=20%, average treatment (kg) - A5, inkl. 85<br>km transp.     | kg                                       | 0,14          |                         |       |                        |
| Transport to waste processing (C2)   | Capacity utilisation<br>(incl. return) % | Distance (km) | Fuel/Energy Consumption | Unit  | Value<br>(Liter/tonne) |
| Truck, 16-32 tonnes, EURO 6 (km)   | 36,7 %                                   | 250           | 0,043                   | l/tkm | 10,75                  |
| Waste processing (C3)  | Unit                                     | Value         |                         |       |                        |
| Materials to recycling (kg)  | kg                                       | 2,39          |                         |       |                        |
| Waste treatment per kg Polyethylene (PE),<br>incineration with fly ash extraction (kg) - CH - C3                     | kg                                       | 0,32          |                         |       |                        |
| Disposal (C4)  | Unit                                     | Value         |                         |       |                        |
| Waste, scrap steel, for incineration (kg)  | kg                                       | 0,014         |                         |       |                        |
| Waste, scrap steel, to landfill (kg)   | kg                                       | 0,26          |                         |       |                        |
| Landfilling of ashes from incineration of<br>Polypropylene (PP), process per kg ashes and<br>residues (kg) - CH - C4 | kg                                       | 0,0095        |                         |       |                        |
| Benefits and loads beyond the system boundaries (D)  | Unit                                     | Value         |                         |       |                        |
| Substitution of primary steel with net scrap (kg)  | kg                                       | 2,19          |                         |       |                        |
| Substitution of electricity (MJ)   | MJ                                       | 0,53          |                         |       |                        |
| Substitution of thermal energy, district heating, in Norway (MJ)   | МЈ                                       | 7,88          |                         |       |                        |



### **LCA: Results**

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

| Enviro   | nmental impact                   |                        |           |          |          |    |          |          |          |           |
|----------|----------------------------------|------------------------|-----------|----------|----------|----|----------|----------|----------|-----------|
|          | Indicator                        | Unit                   | A1-A3     | A4       | A5       | C1 | C2       | C3       | C4       | D         |
|          | GWP-total                        | kg CO <sub>2</sub> -eq | 7,00E+00  | 4,68E-01 | 4,36E-01 | 0  | 1,17E-01 | 9,65E-01 | 1,86E-03 | -2,46E+00 |
|          | GWP-fossil                       | kg CO <sub>2</sub> -eq | 7,45E+00  | 4,67E-01 | 4,01E-03 | 0  | 1,17E-01 | 9,65E-01 | 1,85E-03 | -2,46E+00 |
|          | GWP-biogenic                     | kg CO <sub>2</sub> -eq | -4,48E-01 | 1,93E-04 | 4,32E-01 | 0  | 4,83E-05 | 7,81E-06 | 2,80E-06 | -1,43E-03 |
|          | GWP-Iuluc                        | kg CO <sub>2</sub> -eq | 4,33E-03  | 1,66E-04 | 1,03E-06 | 0  | 4,16E-05 | 1,15E-06 | 3,58E-07 | -2,66E-03 |
| Ö        | ODP                              | kg CFC11 -eq           | 2,06E-07  | 1,06E-07 | 6,39E-10 | 0  | 2,65E-08 | 7,39E-10 | 6,53E-10 | -3,33E-03 |
| Œ        | АР                               | mol H+ -eq             | 5,41E-02  | 1,34E-03 | 3,22E-05 | 0  | 3,36E-04 | 1,21E-04 | 1,43E-05 | -1,24E-02 |
| -        | EP-FreshWater                    | kg P -eq               | 7,75E-05  | 3,73E-06 | 4,80E-08 | 0  | 9,33E-07 | 7,40E-08 | 1,91E-08 | -1,53E-04 |
| -        | EP-Marine                        | kg N -eq               | 6,92E-03  | 2,66E-04 | 1,38E-05 | 0  | 6,64E-05 | 5,80E-05 | 5,23E-06 | -2,60E-03 |
| -        | EP-Terrestial                    | mol N -eq              | 1,94E-01  | 2,97E-03 | 1,48E-04 | 0  | 7,43E-04 | 6,28E-04 | 5,79E-05 | -2,67E-02 |
|          | POCP                             | kg NMVOC -eq           | 1,84E-02  | 1,14E-03 | 3,81E-05 | 0  | 2,85E-04 | 1,50E-04 | 1,65E-05 | -1,25E-02 |
|          | ADP-minerals&metals <sup>1</sup> | kg Sb-eq               | 3,91E-03  | 1,29E-05 | 6,50E-08 | 0  | 3,23E-06 | 3,38E-08 | 1,54E-08 | -4,21E-05 |
| <b>A</b> | ADP-fossil <sup>1</sup>          | MJ                     | 8,80E+01  | 7,06E+00 | 4,71E-02 | 0  | 1,77E+00 | 6,31E-02 | 4,49E-02 | -2,10E+01 |
| <u>%</u> | WDP <sup>1</sup>                 | m <sup>3</sup>         | 2,45E+02  | 6,83E+00 | 7,25E-02 | 0  | 1,71E+00 | 1,43E-01 | 1,35E-01 | 1,17E+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

# **Remarks to environmental impacts**

<sup>&</sup>quot;Reading example: 9,0 E-03 = 9,0\*10-3 = 0,009"

<sup>\*</sup>INA Indicator Not Assessed

<sup>1.</sup> 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



| Addition      | Additional environmental impact indicators |                   |          |          |          |    |          |          |          |           |  |  |  |
|---------------|--|-------------------|----------|----------|----------|----|----------|----------|----------|-----------|--|--|--|
| In            | dicator                                    | Unit              | A1-A3    | A4       | A5       | C1 | C2       | C3       | C4       | D         |  |  |  |
|               | PM   | Disease incidence | 4,58E-07 | 2,86E-08 | 3,94E-10 | 0  | 7,15E-09 | 4,74E-10 | 2,99E-10 | -2,23E-07 |  |  |  |
|               | IRP <sup>2</sup>                           | kgBq U235 -eq     | 2,21E-01 | 3,09E-02 | 1,71E-04 | 0  | 7,72E-03 | 1,07E-04 | 1,95E-04 | 4,46E-03  |  |  |  |
|               | ETP-fw <sup>1</sup>                        | CTUe              | 3,94E+01 | 5,24E+00 | 5,36E-02 | 0  | 1,31E+00 | 1,89E-01 | 3,43E-02 | -1,38E+02 |  |  |  |
| 48.*<br>***** | HTP-c <sup>1</sup>                         | CTUh              | 8,60E-09 | 0,00E+00 | 6,00E-12 | 0  | 0,00E+00 | 2,10E-11 | 1,00E-12 | -1,17E-08 |  |  |  |
| & D           | HTP-nc <sup>1</sup>                        | CTUh              | 9,46E-08 | 5,72E-09 | 2,87E-10 | 0  | 1,43E-09 | 8,10E-10 | 3,30E-11 | 2,49E-07  |  |  |  |
|               | SQP <sup>1</sup>                           | dimensionless     | 3,28E+01 | 4,94E+00 | 2,64E-02 | 0  | 1,24E+00 | 7,66E-03 | 1,54E-01 | -5,89E+00 |  |  |  |

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 = Potential Soil Quality Index (dimensionless)

<sup>&</sup>quot;Reading example: 9,0 E-03 = 9,0\*10-3 = 0,009" \*INA Indicator Not Assessed

<sup>1.</sup> 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

<sup>2.</sup> 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 |          |                |          |          |           |    |          |          |          |           |
|--------------|----------|----------------|----------|----------|-----------|----|----------|----------|----------|-----------|
|              | ndicator | Unit           | A1-A3    | A4       | A5        | C1 | C2       | C3       | C4       | D         |
| i ji         | PERE     | MJ             | 1,18E+01 | 1,01E-01 | 9,67E-04  | 0  | 2,53E-02 | 1,86E-03 | 9,32E-04 | -5,70E+00 |
|              | PERM     | МЈ             | 3,95E+00 | 0,00E+00 | -3,95E+00 | 0  | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00  |
| ್ಕ್ಯ         | PERT     | МЈ             | 1,57E+01 | 1,01E-01 | -3,95E+00 | 0  | 2,53E-02 | 1,86E-03 | 9,32E-04 | -5,70E+00 |
|              | PENRE    | МЈ             | 7,45E+01 | 7,06E+00 | 4,71E-02  | 0  | 1,77E+00 | 6,31E-02 | 4,49E-02 | -2,10E+01 |
|              | PENRM    | МЈ             | 1,35E+01 | 0,00E+00 | 0,00E+00  | 0  | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00  |
| I            | PENRT    | МЈ             | 8,80E+01 | 7,06E+00 | 4,71E-02  | 0  | 1,77E+00 | 6,31E-02 | 4,49E-02 | -2,10E+01 |
|              | SM       | kg             | 5,10E-01 | 0,00E+00 | 0,00E+00  | 0  | 0,00E+00 | 0,00E+00 | 6,70E-03 | 0,00E+00  |
| 2            | RSF      | МЈ             | 4,51E-02 | 3,62E-03 | 2,82E-05  | 0  | 9,04E-04 | 5,23E-05 | 2,06E-05 | 8,64E-02  |
|              | NRSF     | МЈ             | 3,07E-02 | 1,29E-02 | 3,21E-04  | 0  | 3,23E-03 | 0,00E+00 | 1,21E-03 | 2,30E+00  |
| <u>\$</u>    | FW       | m <sup>3</sup> | 4,01E-02 | 7,55E-04 | 3,43E-05  | 0  | 1,89E-04 | 1,78E-04 | 5,14E-05 | -1,01E-02 |

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; SM = Use of secondary materials; RSF = Use of renewable secondary fuels; NRSF = Use of non-renewable secondary fuels; FW = Net use of fresh water

<sup>&</sup>quot;Reading example: 9,0 E-03 = 9,0\*10-3 = 0,009" \*INA Indicator Not Assessed



| E | nd of life - Was | ste     |      |          |          |          |    |          |          |          |           |
|---|------------------|---------|------|----------|----------|----------|----|----------|----------|----------|-----------|
|   | Inc              | dicator | Unit | A1-A3    | A4       | A5       | C1 | C2       | C3       | C4       | D         |
|   | ā                | HWD     | kg   | 1,64E-02 | 3,64E-04 | 0,00E+00 | 0  | 9,11E-05 | 0,00E+00 | 1,79E-02 | -1,26E-02 |
|   | ₫                | NHWD    | kg   | 1,25E+00 | 3,44E-01 | 1,49E-01 | 0  | 8,59E-02 | 0,00E+00 | 2,73E-01 | -1,00E+00 |
|   | <u></u>          | RWD     | kg   | 5,51E-04 | 4,81E-05 | 0,00E+00 | 0  | 1,20E-05 | 0,00E+00 | 4,61E-08 | 3,22E-06  |

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 - Outpu | ıt flow |      |          |          |          |    |          |          |          |          |
|-----|-----------------|---------|------|----------|----------|----------|----|----------|----------|----------|----------|
|     | Indicat         | tor     | Unit | A1-A3    | A4       | A5       | C1 | C2       | C3       | C4       | D        |
|     | <b>6</b>        | CRU     | kg   | 0,00E+00 | 0,00E+00 | 1,35E-01 | 0  | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 |
|     | <b>\$</b> >     | MFR     | kg   | 2,18E-01 | 0,00E+00 | 3,52E-06 | 0  | 0,00E+00 | 2,39E+00 | 7,03E-03 | 0,00E+00 |
|     | DF              | MER     | kg   | 2,81E-03 | 0,00E+00 | 1,49E-01 | 0  | 0,00E+00 | 3,20E-01 | 2,01E-08 | 0,00E+00 |
|     | 50              | EEE     | MJ   | 8,38E-04 | 0,00E+00 | 1,03E-01 | 0  | 0,00E+00 | 6,21E-01 | 4,12E-04 | 0,00E+00 |
|     | DJ.             | EET     | MJ   | 1,27E-02 | 0,00E+00 | 1,57E+00 | 0  | 0,00E+00 | 9,39E+00 | 6,23E-03 | 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

| Unit | At the factory gate |
|------|---------------------|
| kg C | 0,00E+00            |
| kg C | 1,23E-01            |
|      | kg C                |

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, Norway (kWh) | ecoinvent 3.6 | 24,33  | g CO2-eg/kWh |

### **Dangerous substances**

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

### **Indoor environment**

# **Additional Environmental Information**

| Additional environmental impact indicators required in NPCR Part A for construction products |                        |          |          |          |    |          |          |          |           |
|--|------------------------|----------|----------|----------|----|----------|----------|----------|-----------|
| Indicator  | Unit                   | A1-A3    | A4       | A5       | C1 | C2       | C3       | C4       | D         |
| GWPIOBC  | kg CO <sub>2</sub> -eq | 7,61E+00 | 4,68E-01 | 4,01E-03 | 0  | 1,17E-01 | 9,65E-01 | 1,88E-03 | -3,66E+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.



# **Bibliography**

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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.

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NPCR Part A: Construction products and services. Ver. 2.0. April 2021, EPD-Norge.

NPCR 013 Part B for Steel and Aluminium Construction Products , Ver. 4.0, 06.10.2021, EPD Norway.

| @ and narga                    | Program operator and publisher              | Phone:  | +47 977 22 020       |
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|                                | , , Norway                                  | web:    | terje@irivisi.rio    |
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| ECO PLATFORM                   | ECO Platform                                | web:    | www.eco-platform.org |
| VERIFIED                       | ECO Portal                                  | web:    | ECO Portal           |
|                                |   |         |                      |