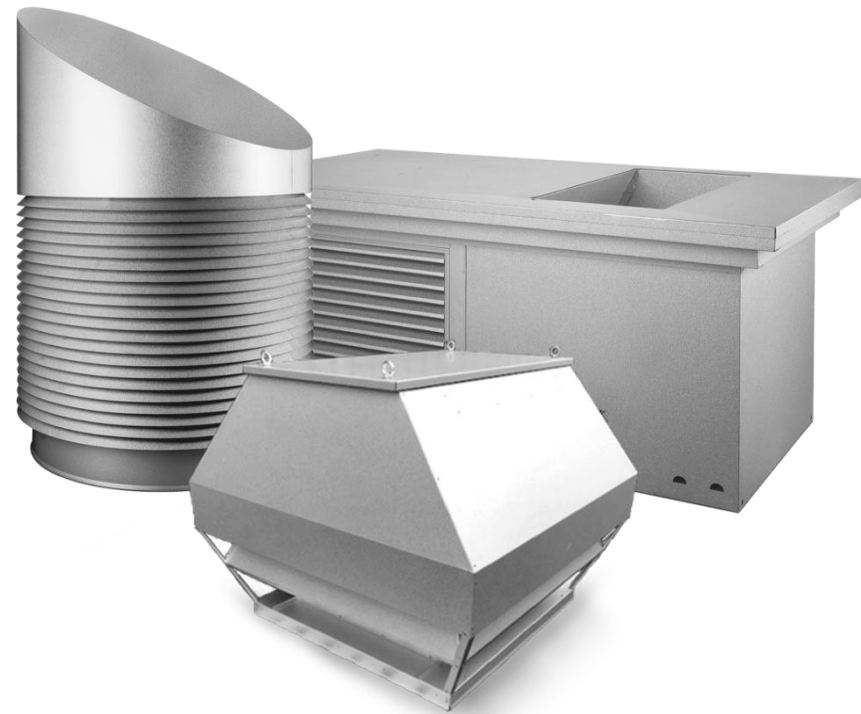


ENVIRONMENTAL PRODUCT DECLARATION

IN ACCORDANCE WITH EN 15804+A2 & ISO 14025



EPD HUB, EPD number HUB-0838

Publishing date 15 November 2023, last updated on 04 March 2026,
valid until 15 November 2028.

GENERAL INFORMATION

MANUFACTURER

| | |
|-----------------|--------------------------------|
| Manufacturer | Ekovent AB |
| Address | Mejselgatan 7, 235 32 Vellinge |
| Contact details | info@ekovent.se |
| Website | https://www.ekovent.se/ |

EPD STANDARDS, SCOPE AND VERIFICATION

| | |
|--------------------|--|
| Program operator | EPD Hub, hub@epdhub.com |
| Reference standard | EN 15804+A2:2019 and ISO 14025 |
| PCR | EPD Hub Core PCR version 1.0, 1 Feb 2022 |
| Sector | Construction product |
| Category of EPD | Third party verified EPD |
| Scope of the EPD | Cradle to gate with options, A4-A5, and modules C1-C4, D |
| EPD author | Cecilia Cederek |
| EPD verification | Independent verification of this EPD and data, according to ISO 14025: <input type="checkbox"/> Internal certification <input checked="" type="checkbox"/> External verification |
| EPD verifier | Magaly González Vázquez, as an authorized verifier acting for EPD Hub Limited |

The manufacturer has the sole ownership, liability, and responsibility for the EPD. EPDs within the same product category but from different programs may not be comparable. EPDs of construction products may not be comparable if they do not comply with EN 15804 and if they are not compared in a building context.

PRODUCT

| | |
|-----------------------------------|---------------------------------|
| Product name | Roof hoods – Metal Coated Steel |
| Additional labels | Appendix 1 |
| Product reference | - |
| Place of production | Vellinge, Sweden |
| Period for data | 01/01/2022-31/12/2022 |
| Averaging in EPD | No averaging |
| Variation in GWP-fossil for A1-A3 | - |

ENVIRONMENTAL DATA SUMMARY

| | |
|--|------|
| Declared unit | 1 kg |
| Declared unit mass | 1 kg |
| GWP-fossil, A1-A3 (kgCO2e) | 3,65 |
| GWP-total, A1-A3 (kgCO2e) | 3,63 |
| Secondary material, inputs (%) | 11,4 |
| Secondary material, outputs (%) | 86,1 |
| Total energy use, A1-A3 (kWh) | 11,6 |
| Total water use, A1-A3 (m3e) | 0,01 |

PRODUCT AND MANUFACTURER

ABOUT THE MANUFACTURER

EKOVENT is one of Sweden's leading companies and has for more than 50 years developed, manufactured, and marketed products for ventilation and fire protection.

PRODUCT DESCRIPTION

Our roof hoods meet high expectations for both function and design. With the architect's design language as a starting point, we let the products become one with the building, or become a decoration in themselves. Our wide range consists of exhaust air Roof Hoods, intake air Roof hoods, combined air Roof Hoods and designed Roof Hoods.

The roof hoods are made of steel which have been hot dip galvanized in a unique composition including zinc, aluminium and magnesium to ensure a robust and stable corrosion protection even in tough environments.

We offer Roof Hoods in different series:

EKO e-Line Roof Hoods are designed for very low pressure drops, a good outlet velocity and has a unique construction in one very effective way to prevent water penetration. Sound and pressure drop tested according to ISO 5135, Water separation class B according to EN 13030 (97% at 2 m/s).

EKO d-Line Roof Hoods are designed with focus on function and aesthetics. The flexibility to customize products to meet individual preferences in terms of function, design, size, and colour has made d-Line the obvious design choice.

Our EKO s-Line and EKO t-Line are based on traditional appearance but with modern technology.

Further information can be found at <https://www.ekovent.se/>.

PRODUCT RAW MATERIAL MAIN COMPOSITION

| Raw material category | Amount, mass-% | Material origin |
|-----------------------|----------------|-----------------|
| Metals | 99,74 | Europe |
| Minerals | - | - |
| Fossil materials | 0,26 | Europe |
| Bio-based materials | - | - |

BIOGENIC CARBON CONTENT

Product's biogenic carbon content at the factory gate

| | |
|--|---------|
| Biogenic carbon content in product, kg C | - |
| Biogenic carbon content in packaging, kg C | 0,00426 |

FUNCTIONAL UNIT AND SERVICE LIFE

| | |
|------------------------|---------|
| Declared unit | 1 kg |
| Mass per declared unit | 1 kg |
| Functional unit | - |
| Reference service life | 30 Year |

SUBSTANCES, REACH - VERY HIGH CONCERN

The product does not contain any REACH SVHC substances in amounts greater than 0,1 % (1000 ppm).

PRODUCT LIFE-CYCLE

SYSTEM BOUNDARY

This EPD covers the life-cycle modules listed in the following table.

| Product stage | | | Assembly stage | | Use stage | | | | | | | End of life stage | | | | Beyond the system boundaries | | |
|---------------|-----------|---------------|----------------|----------|-----------|-------------|--------|-------------|---------------|------------------------|-----------------------|-------------------|-----------|------------------|----------|------------------------------|----------|-----------|
| A1 | A2 | A3 | A4 | A5 | B1 | B2 | B3 | B4 | B5 | B6 | B7 | C1 | C2 | C3 | C4 | D | | |
| x | x | x | x | x | ND | ND | ND | ND | ND | ND | ND | x | x | x | x | x | | |
| Raw materials | Transport | Manufacturing | Transport | Assembly | Use | Maintenance | Repair | Replacement | Refurbishment | Operational energy use | Operational water use | Deconstr./demol. | Transport | Waste processing | Disposal | Reuse | Recovery | Recycling |

Modules not declared = ND. Modules not relevant = MNR.

MANUFACTURING AND PACKAGING (A1-A3)

The environmental impacts considered for the product stage cover the manufacturing of raw materials used in the production as well as packaging materials and other ancillary materials. Also, fuels used by machines, and handling of waste formed in the production processes at the manufacturing facilities are included in this stage. The study also considers the material losses occurring during the manufacturing processes as well as losses during electricity transmission.

The raw material and the ancillary materials are transported to the production facility of Ekovent AB. After quality check in the production facility the material undergoes cutting, punching, bending, welding, and assembling. All these steps take place in the same facility, where EHS (Environment, Health and Safety) is a natural part of the daily work.

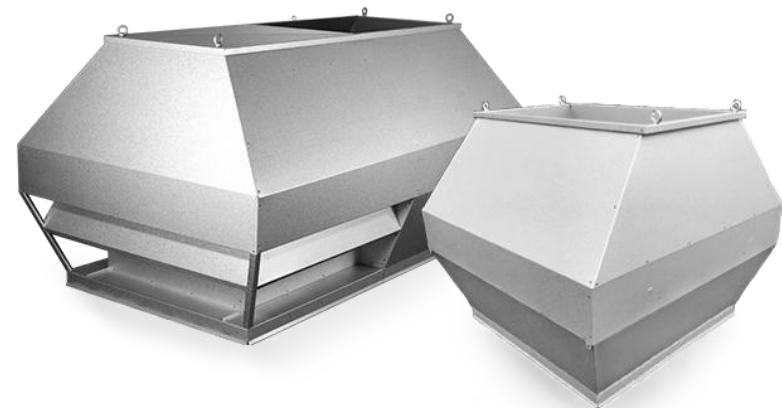
The power required to produce the roof hoods is sourced from 100% wind power, the facility is heated by biogas and all production waste is sent to a recycling company. The finished product is packed in a, for the specific size, appropriate manner, e.g. wooden pallet and plastic strips.

TRANSPORT AND INSTALLATION (A4-A5)

Transportation impacts occurred from final products delivery to construction site (A4) cover fuel direct exhaust emissions, environmental impacts of fuel production, as well as related infrastructure emissions. Installation spills and handling of packaging material is considered. Material loss during installation is estimated to be zero.

Transport from production place to user in Sweden (A4)

| Type | Distance |
|-------|----------|
| Lorry | 417 km |



PRODUCT USE AND MAINTENANCE (B1-B7)

This EPD does not cover the use phase.

Air, soil, and water impacts during the use phase have not been studied.

PRODUCT END OF LIFE (C1-C4, D)

Energy (0,1kWh) for deconstruction is included in C1. Activities related to steel recycling is included in C3 and a recycling rate of 95% and landfill rate of 5% has been assumed. That is to be seen as the proportion of the material in the product that will be recycled in a subsequent system. Post consumer scrap in the raw material is also deducted and accounts for 20%. Hence the net flow to be credited in module D is 76%. See below tables for scenarios used in Modules C and D, based on national and EU statistics.



Transport to waste processing scenario (A5/C2)

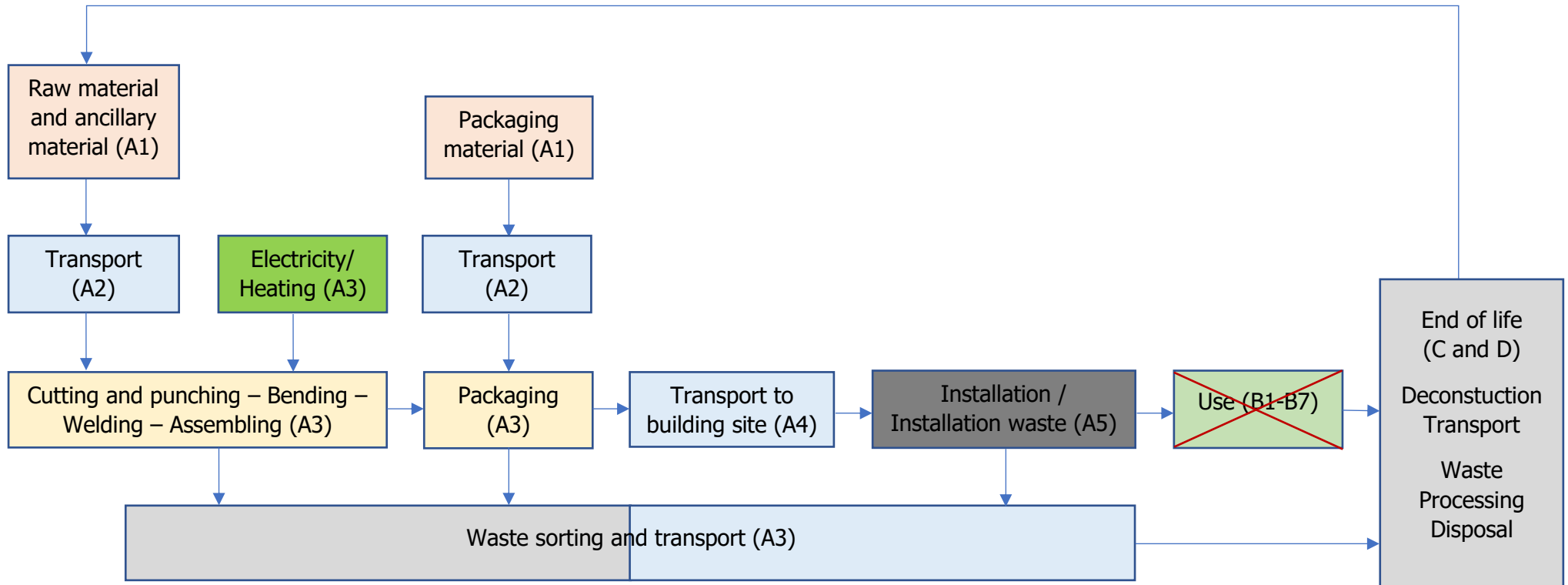
| Type | Distance |
|-------|----------|
| Lorry | 50 km |

End of Life Scenarios (A5, C3, C4, D)

| | % |
|----------------------------|-----|
| Steel to recycling | 95 |
| Steel to landfill | 5 |
| Cardboard to recycling | 79 |
| Cardboard to incineration | 21 |
| Plastic to recycling | 47 |
| Plastic to incineration | 51 |
| Plastic to landfill | 2 |
| Wooden pallet to reuse | 50 |
| Wooden pallet to recycling | 50 |
| Sealant to landfill | 100 |

MANUFACTURING PROCESS

ROOF HOODS – PRODUCT LIFE CYCLE



LIFE-CYCLE ASSESSMENT

CUT-OFF CRITERIA

The study does not exclude any modules or processes which are stated mandatory in the reference standard and the applied PCR. The study does not exclude any hazardous materials or substances. The study includes all major raw material and energy consumption. All inputs and outputs of the unit processes, for which data is available for, are included in the calculation.

There is no neglected unit process more than 1% of total mass or energy flows. The module specific total neglected input and output flows also do not exceed 5% of energy usage or mass.

ALLOCATION, ESTIMATES AND ASSUMPTIONS

Allocation is required if some material, energy, and waste data cannot be measured separately for the product under investigation. All allocations are done as per the reference standards and the applied PCR. In this study, allocation has been done in the following ways:

| Data type | Allocation |
|--------------------------------|-----------------------------|
| Raw materials | Allocated by mass or volume |
| Packaging materials | No allocation |
| Ancillary materials | Allocated by mass or volume |
| Manufacturing energy and waste | Allocated by mass or volume |

AVERAGES AND VARIABILITY

| | |
|-----------------------------------|----------------|
| Type of average | No averaging |
| Averaging method | Not applicable |
| Variation in GWP-fossil for A1-A3 | - |

This EPD is product and factory specific and does not contain average calculations.

LCA SOFTWARE AND BIBLIOGRAPHY

This EPD has been created using One Click LCA EPD Generator. The LCA and EPD have been prepared according to the reference standards and ISO 14040/14044. Specific data from Lindab Steel and Ejot have been used to represent the raw material. For other inputs Ecoinvent v3.8 and One Click LCA databases were used as sources of environmental data.

ENVIRONMENTAL IMPACT DATA

CORE ENVIRONMENTAL IMPACT INDICATORS – EN 15804+A2

| Impact category | Unit | A1 | A2 | A3 | A1-A3 | A4 | A5 | B1 | B2 | B3 | B4 | B5 | B6 | B7 | C1 | C2 | C3 | C4 | D |
|-------------------------------------|------------------------|-----------|----------|-----------|-----------|----------|----------|----|----|----|----|----|----|----|----------|----------|----------|----------|-----------|
| GWP – total ¹⁾ | kg CO ₂ e | 3,57E+00 | 1,43E-02 | 3,76E-02 | 3,63E+00 | 4,23E-02 | 2,73E-02 | ND | ND | ND | ND | ND | ND | ND | 4,95E-03 | 4,37E-03 | 3,00E-02 | 7,30E-04 | -1,23E+00 |
| GWP – fossil | kg CO ₂ e | 3,59E+00 | 1,43E-02 | 5,06E-02 | 3,65E+00 | 4,23E-02 | 1,10E-02 | ND | ND | ND | ND | ND | ND | ND | 4,63E-03 | 4,37E-03 | 2,07E-02 | 2,92E-04 | -1,23E+00 |
| GWP – biogenic | kg CO ₂ e | -1,25E-02 | 1,24E-06 | -1,31E-02 | -2,56E-02 | 0,00E+00 | 1,60E-02 | ND | ND | ND | ND | ND | ND | ND | 0,00E+00 | 0,00E+00 | 9,25E-03 | 4,37E-04 | 0,00E+00 |
| GWP – LULUC | kg CO ₂ e | 5,17E-04 | 5,37E-06 | 8,34E-05 | 6,06E-04 | 1,59E-05 | 3,27E-04 | ND | ND | ND | ND | ND | ND | ND | 3,25E-04 | 1,64E-06 | 2,72E-05 | 2,78E-07 | -3,23E-04 |
| Ozone depletion pot. | kg CFC-11e | 1,54E-08 | 3,54E-09 | 3,98E-09 | 2,29E-08 | 1,05E-08 | 4,48E-10 | ND | ND | ND | ND | ND | ND | ND | 2,26E-10 | 1,08E-09 | 2,56E-09 | 1,15E-10 | -4,99E-08 |
| Acidification potential | mol H ⁺ e | 7,74E-03 | 4,60E-05 | 3,37E-04 | 8,12E-03 | 1,35E-04 | 4,04E-05 | ND | ND | ND | ND | ND | ND | ND | 3,23E-05 | 1,42E-05 | 2,63E-04 | 2,72E-06 | -5,09E-03 |
| EP-freshwater ²⁾ | kg Pe | 0,00E+00 | 1,02E-07 | 2,12E-06 | 2,22E-06 | 3,02E-07 | 3,32E-07 | ND | ND | ND | ND | ND | ND | ND | 2,52E-07 | 3,15E-08 | 1,11E-06 | 3,20E-09 | -5,12E-05 |
| EP-marine | kg Ne | 1,86E-03 | 1,02E-05 | 6,77E-05 | 1,94E-03 | 2,97E-05 | 7,50E-06 | ND | ND | ND | ND | ND | ND | ND | 5,52E-06 | 3,23E-06 | 5,56E-05 | 9,41E-07 | -1,04E-03 |
| EP-terrestrial | mol Ne | 1,98E-02 | 1,13E-04 | 7,38E-04 | 2,06E-02 | 3,30E-04 | 9,10E-05 | ND | ND | ND | ND | ND | ND | ND | 6,94E-05 | 3,58E-05 | 6,43E-04 | 1,03E-05 | -1,22E-02 |
| POCP ("smog") ³⁾ | kg NMVOCe | 6,33E-03 | 4,41E-05 | 2,57E-04 | 6,63E-03 | 1,30E-04 | 2,28E-05 | ND | ND | ND | ND | ND | ND | ND | 1,64E-05 | 1,38E-05 | 1,77E-04 | 3,01E-06 | -6,18E-03 |
| ADP-minerals & metals ⁴⁾ | kg Sbe | 7,33E-05 | 3,55E-08 | 2,45E-06 | 7,58E-05 | 1,04E-07 | 3,23E-07 | ND | ND | ND | ND | ND | ND | ND | 3,17E-07 | 1,07E-08 | 2,79E-06 | 7,01E-10 | -2,32E-05 |
| ADP-fossil resources | MJ | 3,13E+01 | 2,27E-01 | 7,92E-01 | 3,23E+01 | 6,76E-01 | 6,54E-01 | ND | ND | ND | ND | ND | ND | ND | 6,27E-01 | 6,95E-02 | 2,81E-01 | 7,89E-03 | -1,11E+01 |
| Water use ⁵⁾ | m ³ e depr. | 2,74E-01 | 1,05E-03 | 2,55E-02 | 3,00E-01 | 3,12E-03 | 2,46E-02 | ND | ND | ND | ND | ND | ND | ND | 2,40E-02 | 3,20E-04 | 5,45E-03 | 2,67E-05 | -2,35E-01 |

1) GWP = Global Warming Potential; 2) EP = Eutrophication potential. Required characterisation method and data are in kg P-eq. Multiply by 3,07 to get PO₄e; 3) POCP = Photochemical ozone formation; 4) ADP = Abiotic depletion potential; 5) EN 15804+A2 disclaimer for Abiotic depletion and Water use and optional indicators except Particulate matter and Ionizing radiation, human health. The results of these environmental impact indicators shall be used with care as the uncertainties on these results are high or as there is limited experience with the indicator.

ADDITIONAL (OPTIONAL) ENVIRONMENTAL IMPACT INDICATORS – EN 15804+A2

| Impact category | Unit | A1 | A2 | A3 | A1-A3 | A4 | A5 | B1 | B2 | B3 | B4 | B5 | B6 | B7 | C1 | C2 | C3 | C4 | D |
|----------------------------------|-----------|----------|----------|----------|----------|----------|----------|----|----|----|----|----|----|----|----------|----------|----------|----------|-----------|
| Particulate matter | Incidence | 0,00E+00 | 1,63E-09 | 4,99E-09 | 6,63E-09 | 4,91E-09 | 5,52E-10 | ND | ND | ND | ND | ND | ND | ND | 3,84E-10 | 5,07E-10 | 3,44E-09 | 5,48E-11 | -8,24E-08 |
| Ionizing radiation ⁶⁾ | kBq U235e | 0,00E+00 | 1,17E-03 | 4,40E-03 | 5,57E-03 | 3,48E-03 | 4,53E-02 | ND | ND | ND | ND | ND | ND | ND | 4,49E-02 | 3,57E-04 | 3,13E-03 | 3,59E-05 | 3,72E-02 |
| Ecotoxicity (freshwater) | CTUe | 0,00E+00 | 1,89E-01 | 1,72E+00 | 1,91E+00 | 5,62E-01 | 3,38E-01 | ND | ND | ND | ND | ND | ND | ND | 3,10E-01 | 5,81E-02 | 1,27E+00 | 5,21E-03 | -4,36E+01 |
| Human toxicity, cancer | CTUh | 0,00E+00 | 4,95E-12 | 1,92E-10 | 1,97E-10 | 1,46E-11 | 1,20E-11 | ND | ND | ND | ND | ND | ND | ND | 1,04E-11 | 1,51E-12 | 3,90E-11 | 1,38E-13 | 1,01E-08 |
| Human tox. non-cancer | CTUh | 0,00E+00 | 1,92E-10 | 2,08E-09 | 2,27E-09 | 5,72E-10 | 2,74E-10 | ND | ND | ND | ND | ND | ND | ND | 2,44E-10 | 5,90E-11 | 1,74E-09 | 3,41E-12 | -2,92E-08 |

| | | | | | | | | | | | | | | | | | | | |
|-------|---|----------|----------|----------|----------|----------|----------|----|----|----|----|----|----|----|----------|----------|----------|----------|-----------|
| SQP7) | - | 0,00E+00 | 2,60E-01 | 1,19E+00 | 1,45E+00 | 7,87E-01 | 1,64E-01 | ND | ND | ND | ND | ND | ND | ND | 1,47E-01 | 8,09E-02 | 5,65E-01 | 1,71E-02 | -1,41E+01 |
|-------|---|----------|----------|----------|----------|----------|----------|----|----|----|----|----|----|----|----------|----------|----------|----------|-----------|

6) EN 15804+A2 disclaimer for Ionizing radiation, human health. 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; 7) SQP = Land use related impacts/soil quality.

USE OF NATURAL RESOURCES

| Impact category | Unit | A1 | A2 | A3 | A1-A3 | A4 | A5 | B1 | B2 | B3 | B4 | B5 | B6 | B7 | C1 | C2 | C3 | C4 | D |
|------------------------------------|----------------|----------|----------|----------|----------|----------|-----------|----|----|----|----|----|----|----|----------|----------|-----------|-----------|-----------|
| Renew. PER as energy ⁸⁾ | MJ | 1,73E+00 | 2,94E-03 | 7,40E+00 | 9,13E+00 | 8,75E-03 | 2,63E-01 | ND | ND | ND | ND | ND | ND | ND | 2,60E-01 | 8,93E-04 | 4,98E-02 | 7,40E-05 | -1,65E+00 |
| Renew. PER as material | MJ | 2,60E-01 | 0,00E+00 | 9,83E-02 | 3,58E-01 | 0,00E+00 | -1,51E-01 | ND | ND | ND | ND | ND | ND | ND | 0,00E+00 | 0,00E+00 | -1,97E-01 | -1,04E-02 | 0,00E+00 |
| Total use of renew. PER | MJ | 1,99E+00 | 2,94E-03 | 7,50E+00 | 9,49E+00 | 8,75E-03 | 1,12E-01 | ND | ND | ND | ND | ND | ND | ND | 2,60E-01 | 8,93E-04 | -1,47E-01 | -1,03E-02 | -1,65E+00 |
| Non-re. PER as energy | MJ | 3,19E+01 | 2,27E-01 | 6,40E-01 | 3,28E+01 | 6,76E-01 | 6,52E-01 | ND | ND | ND | ND | ND | ND | ND | 6,25E-01 | 6,95E-02 | 2,81E-01 | 7,89E-03 | -1,09E+01 |
| Non-re. PER as material | MJ | 8,08E-02 | 0,00E+00 | 1,45E-01 | 2,26E-01 | 0,00E+00 | -1,48E-01 | ND | ND | ND | ND | ND | ND | ND | 0,00E+00 | 0,00E+00 | -9,69E-03 | -6,81E-02 | 0,00E+00 |
| Total use of non-re. PER | MJ | 3,20E+01 | 2,27E-01 | 7,86E-01 | 3,30E+01 | 6,76E-01 | 5,04E-01 | ND | ND | ND | ND | ND | ND | ND | 6,25E-01 | 6,95E-02 | 2,71E-01 | -6,02E-02 | -1,09E+01 |
| Secondary materials | kg | 1,14E-01 | 6,44E-05 | 4,02E-03 | 1,18E-01 | 1,90E-04 | 7,16E-05 | ND | ND | ND | ND | ND | ND | ND | 5,66E-05 | 1,96E-05 | 3,13E-04 | 1,75E-06 | 6,95E-01 |
| Renew. secondary fuels | MJ | 0,00E+00 | 5,76E-07 | 1,33E-04 | 1,33E-04 | 1,68E-06 | 3,23E-07 | ND | ND | ND | ND | ND | ND | ND | 2,35E-07 | 1,74E-07 | 1,63E-05 | 4,86E-08 | -3,71E-02 |
| Non-ren. secondary fuels | MJ | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | ND | ND | ND | ND | ND | ND | ND | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 |
| Use of net fresh water | m ³ | 7,87E-03 | 3,00E-05 | 6,12E-04 | 8,51E-03 | 8,96E-05 | 6,20E-04 | ND | ND | ND | ND | ND | ND | ND | 6,05E-04 | 9,21E-06 | 1,65E-04 | 8,63E-06 | -3,09E-03 |

8) PER = Primary energy resources.

END OF LIFE – WASTE

| Impact category | Unit | A1 | A2 | A3 | A1-A3 | A4 | A5 | B1 | B2 | B3 | B4 | B5 | B6 | B7 | C1 | C2 | C3 | C4 | D |
|---------------------|------|----------|----------|----------|----------|----------|----------|----|----|----|----|----|----|----|----------|----------|----------|----------|-----------|
| Hazardous waste | kg | 4,13E-03 | 2,45E-04 | 8,80E-03 | 1,32E-02 | 7,24E-04 | 6,15E-04 | ND | ND | ND | ND | ND | ND | ND | 5,22E-04 | 7,56E-05 | 1,91E-03 | 0,00E+00 | -4,04E-01 |
| Non-hazardous waste | kg | 1,25E-01 | 4,26E-03 | 9,00E-02 | 2,20E-01 | 1,26E-02 | 1,93E-02 | ND | ND | ND | ND | ND | ND | ND | 1,41E-02 | 1,31E-03 | 6,09E-02 | 5,29E-02 | -1,94E+00 |
| Radioactive waste | kg | 2,40E-04 | 1,56E-06 | 2,20E-06 | 2,44E-04 | 4,66E-06 | 9,80E-06 | ND | ND | ND | ND | ND | ND | ND | 9,62E-06 | 4,79E-07 | 1,65E-06 | 0,00E+00 | 1,22E-06 |

END OF LIFE – OUTPUT FLOWS

| Impact category | Unit | A1 | A2 | A3 | A1-A3 | A4 | A5 | B1 | B2 | B3 | B4 | B5 | B6 | B7 | C1 | C2 | C3 | C4 | D |
|--------------------------|------|----------|----------|----------|----------|----------|----------|----|----|----|----|----|----|----|----------|----------|----------|----------|----------|
| Components for re-use | kg | 5,38E-06 | 0,00E+00 | 0,00E+00 | 5,38E-06 | 0,00E+00 | 8,00E-02 | ND | ND | ND | ND | ND | ND | ND | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 |
| Materials for recycling | kg | 3,34E-02 | 0,00E+00 | 2,90E-01 | 3,23E-01 | 0,00E+00 | 3,80E-03 | ND | ND | ND | ND | ND | ND | ND | 0,00E+00 | 0,00E+00 | 9,47E-01 | 0,00E+00 | 0,00E+00 |
| Materials for energy rec | kg | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 5,84E-02 | ND | ND | ND | ND | ND | ND | ND | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 |
| Exported energy | MJ | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 5,45E-02 | ND | ND | ND | ND | ND | ND | ND | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 |

ENVIRONMENTAL IMPACTS – GWP-GHG - THE INTERNATIONAL EPD SYSTEM

| Impact category | Unit | A1 | A2 | A3 | A1-A3 | A4 | A5 | B1 | B2 | B3 | B4 | B5 | B6 | B7 | C1 | C2 | C3 | C4 | D |
|-----------------|---------|----------|----------|----------|----------|----------|----------|----|----|----|----|----|----|----|----------|----------|----------|----------|-----------|
| GWP-GHG9) | kg CO2e | 3,59E+00 | 1,43E-02 | 5,06E-02 | 3,65E+00 | 4,23E-02 | 1,10E-02 | ND | ND | ND | ND | ND | ND | ND | 4,63E-03 | 4,37E-03 | 2,07E-02 | 2,92E-04 | -1,23E+00 |

9) This indicator includes all greenhouse gases excluding biogenic carbon dioxide uptake and emissions and biogenic carbon stored in the product as defined by IPCC AR 5 (IPCC 2013). In addition, the characterization factors for the flows - CH4 fossil, CH4 biogenic and Dinitrogen monoxide - were updated in line with the guidance of IES PCR 1.2.5 Annex 1. This indicator is identical to the GWP-total of EN 15804:2012+A2:2019 except that the characterization factor for biogenic CO2 is set to zero.

VERIFICATION STATEMENT

VERIFICATION PROCESS FOR THIS EPD

This EPD has been verified in accordance with ISO 14025 by an independent, third-party verifier by reviewing results, documents and compliancy with reference standard, ISO 14025 and ISO 14040/14044, following the process and checklists of the program operator for:

- This Environmental Product Declaration
- The Life-Cycle Assessment used in this EPD
- The digital background data for this EPD

Why does verification transparency matter? Read more online

This EPD has been generated by One Click LCA EPD generator, which has been verified and approved by the EPD Hub.

THIRD-PARTY VERIFICATION STATEMENT

I hereby confirm that, following detailed examination, I have not established any relevant deviations by the studied Environmental Product Declaration (EPD), its LCA and project report, in terms of the data collected and used in the LCA calculations, the way the LCA-based calculations have been carried out, the presentation of environmental data in the EPD, and other additional environmental information, as present with respect to the procedural and methodological requirements in ISO 14025:2010 and reference standard.

I confirm that the company-specific data has been examined as regards plausibility and consistency; the declaration owner is responsible for its factual integrity and legal compliance.

I confirm that I have sufficient knowledge and experience of construction products, this specific product category, the construction industry, relevant standards, and the geographical area of the EPD to carry out this verification.

I confirm my independence in my role as verifier; I have not been involved in the execution of the LCA or in the development of the declaration and have no conflicts of interest regarding this verification.

Magaly González Vázquez, as an authorized verifier acting for EPD Hub Limited
15.11.2023



APPENDIX 1

PRODUCTS - ROOF HOODS

*) The weight applies at the publication date, adjustments are specified in the data sheet.

| GTIN | EKO-HAAS | Weight (kg) | GTIN | EKO-HAE | Weight (kg) | GTIN | EKO-HAED | Weight (kg) | GTIN | EKO-HASD | Weight (kg) | GTIN | EKO-HB | Weight (kg) |
|---------------|----------|-------------|---------------|---------|-------------|---------------|----------|-------------|---------------|----------|-------------|---------------|--------|-------------|
| 7350139870634 | 20 | 14 | 7350139870290 | 20 | 9 | 7350139871273 | 20 | 13 | 7350139870832 | 20 | 39 | 7350139871938 | 3 | 11 |
| 7350139870641 | 30 | 18 | 7350139870306 | 30 | 13 | 7350139871280 | 30 | 18 | 7350139870849 | 30 | 47 | 7350139871945 | 4 | 15 |
| 7350139870658 | 40 | 38 | 7350139870313 | 40 | 17 | 7350139871297 | 40 | 27 | 7350139870856 | 40 | 95 | 7350139871952 | 5 | 19 |
| 7350139870665 | 50 | 50 | 7350139870320 | 50 | 23 | 7350139871303 | 50 | 35 | 7350139870863 | 50 | 120 | 7350139871969 | 6 | 25 |
| 7350139870672 | 60 | 63 | 7350139870337 | 60 | 29 | 7350139871310 | 60 | 44 | 7350139870870 | 60 | 145 | 7350139871976 | 7 | 29 |
| 7350139870689 | 80 | 95 | 7350139870344 | 80 | 56 | 7350139871327 | 80 | 88 | 7350139870887 | 80 | 210 | 7350139871983 | 8 | 34 |
| 7350139870696 | 100 | 125 | 7350139870351 | 100 | 79 | 7350139871334 | 100 | 123 | 7350139870894 | 100 | 260 | 7350139871990 | 9 | 38 |
| 7350139870702 | 120 | 160 | 7350139870368 | 120 | 106 | 7350139871341 | 120 | 167 | 7350139870900 | 120 | 305 | 7350139872003 | 10 | 46 |
| 7350139870719 | 140 | 205 | 7350139870375 | 140 | 138 | 7350139873666 | 140 | 213 | 7350139870917 | 140 | 350 | 7350139872010 | 11 | 51 |
| 7350139870726 | 160 | 250 | 7350139870382 | 160 | 174 | 7350139871358 | 160 | 276 | 7350139870924 | 160 | 400 | 7350139872027 | 12 | 56 |
| | | | 7350139870399 | 180 | 223 | 7350139871365 | 180 | 340 | | | | 7350139872034 | 13 | 61 |
| | | | 7350139870405 | 200 | 273 | 7350139871372 | 200 | 417 | | | | 7350139872041 | 14 | 71 |
| | | | | | | | | | | | | 7350139872058 | 15 | 77 |
| | | | | | | | | | | | | 7350139872065 | 16 | 83 |
| | | | | | | | | | | | | 7350139872072 | 17 | 89 |
| | | | | | | | | | | | | 7350139872089 | 18 | 105 |

| GTIN | EKO-HBF | Weight (kg) | GTIN | EKO-HBJ | Weight (kg) | GTIN | EKO-HBK | Weight (kg) | GTIN | EKO-HJEL | Weight (kg) | GTIN | EKO-HJES | Weight (kg) |
|---------------|---------|-------------|---------------|---------|-------------|---------------|---------|-------------|---------------|----------|-------------|---------------|----------|-------------|
| 7350139872096 | 20 | 19 | 7350139872218 | 12 | 6 | 7350139872362 | 20 | 28 | 7350139875356 | 125 | 2 | 7350139875509 | 100 | 1 |
| 7350139872102 | 30 | 26 | 7350139872225 | 16 | 7 | 7350139872379 | 30 | 43 | 7350140000000 | 160 | 3 | 7350139875516 | 125 | 2 |
| 7350139872119 | 40 | 38 | 7350139872232 | 20 | 11 | 7350139872386 | 40 | 53 | 7350139875370 | 200 | 4 | 7350139875523 | 160 | 2 |
| 7350139872126 | 50 | 51 | 7350139872249 | 25 | 16 | 7350139872393 | 50 | 75 | 7350139875387 | 250 | 6 | 7350139875530 | 200 | 4 |
| 7350139872133 | 60 | 68 | 7350139872256 | 31 | 27 | 7350139872409 | 60 | 89 | 7350139875394 | 315 | 9 | 7350139875547 | 250 | 5 |
| 7350139872140 | 80 | 100 | 7350139872263 | 40 | 45 | 7350139872416 | 80 | 135 | 7350139875400 | 400 | 17 | 7350139875554 | 315 | 8 |
| 7350139872157 | 100 | 125 | 7350139872270 | 50 | 67 | 7350139872423 | 100 | 180 | 7350139875417 | 500 | 26 | 7350139875561 | 400 | 15 |
| 7350139872164 | 120 | 163 | 7350139872287 | 56 | 90 | 7350139872430 | 120 | 260 | 7350139875424 | 560 | 32 | 7350139875578 | 500 | 23 |
| 7350139872171 | 140 | 210 | 7350139872294 | 63 | 108 | 7350139872447 | 140 | 305 | 7350139875431 | 630 | 44 | 7350139875585 | 630 | 39 |
| 7350139872188 | 160 | 255 | 7350139872300 | 71 | 144 | 7350139872454 | 160 | 360 | 7350139875448 | 710 | 57 | 7350139875592 | 800 | 67 |
| 7350139872195 | 180 | 370 | 7350139872317 | 80 | 171 | 7350139872461 | 180 | 500 | 7350139875455 | 800 | 81 | 7350139875608 | 900 | 81 |
| 7350139872201 | 200 | 415 | 7350139872324 | 90 | 225 | | | | 7350139875462 | 900 | 97 | 7350139875615 | 1000 | 105 |
| | | | 7350139872331 | 100 | 261 | | | | 7350139875479 | 1000 | 124 | 7350139875622 | 1250 | 153 |
| | | | 7350139872348 | 125 | 432 | | | | 7350139875486 | 1250 | 197 | | | |
| | | | 7350139872355 | 150 | 612 | | | | 7350139875493 | 1500 | 287 | | | |

| GTIN | EKO-HKAS | Weigh t (kg) | GTIN | EKO-HKE | Weigh t (kg) | GTIN | EKO-HR | Weigh t (kg) | GTIN | EKO-HRA | Weigh t (kg) | GTIN | EKO-HRB | Weigh t (kg) |
|---------------|----------|--------------|---------------|---------|--------------|---------------|--------|--------------|---------------|---------|--------------|---------------|---------|--------------|
| 7350139870733 | 20 | 35 | 7350139870412 | 20 | 14 | 7350139872690 | 20 | 9 | 7350139872751 | 10 | 3 | 7350139872881 | 16 | 7 |
| 7350139870740 | 30 | 43 | 7350139870429 | 30 | 21 | 7350139872706 | 25 | 11 | 7350139872768 | 12 | 3 | 7350139872898 | 20 | 11 |
| 7350139870757 | 40 | 85 | 7350139870436 | 40 | 29 | 7350139872713 | 30 | 15 | 7350139872775 | 16 | 4 | 7350139872904 | 25 | 16 |
| 7350139870764 | 50 | 110 | 7350139870528 | 50 | 38 | 7350139872720 | 40 | 20 | 7350139872782 | 20 | 6 | 7350139872911 | 31 | 27 |
| 7350139870771 | 60 | 130 | 7350139870443 | 60 | 49 | 7350139872737 | 50 | 34 | 7350139872799 | 25 | 8 | 7350139872928 | 40 | 45 |
| 7350139870788 | 80 | 190 | 7350139870450 | 80 | 94 | 7350139872744 | 60 | 39 | 7350139872805 | 31 | 10 | 7350139872935 | 50 | 67 |
| 7350139870795 | 100 | 230 | 7350139870467 | 100 | 132 | | | | 7350139872812 | 40 | 18 | 7350139872942 | 56 | 90 |
| 7350139870801 | 120 | 270 | 7350139870474 | 120 | 162 | | | | 7350139872829 | 50 | 24 | 7350139872959 | 63 | 108 |
| 7350139870818 | 140 | 305 | 7350139870481 | 140 | 210 | | | | 7350139872836 | 63 | 43 | 7350139872966 | 71 | 144 |
| 7350139870825 | 160 | 345 | 7350139870498 | 160 | 267 | | | | 7350139872843 | 80 | 72 | 7350139872973 | 80 | 171 |
| | | | 7350139870504 | 180 | 340 | | | | 7350139872850 | 90 | 90 | 7350139872980 | 90 | 225 |
| | | | 7350139870511 | 200 | 420 | | | | 7350139872867 | 100 | 110 | 7350139872997 | 100 | 261 |
| | | | | | | | | | 7350139872874 | 125 | 260 | 7350139873000 | 125 | 432 |
| | | | | | | | | | | | | 7350139873017 | 150 | 612 |

| GTIN | EKO-HSF | Weigh t (kg) | GTIN | EKO-HSK | Weigh t (kg) | GTIN | EKO-HST | Weigh t (kg) | GTIN | EKO-HUAS | Weigh t (kg) | GTIN | EKO-HUE | Weigh t (kg) |
|---------------|---------|--------------|---------------|---------|--------------|---------------|---------|--------------|---------------|----------|--------------|---------------|---------|--------------|
| 7350139873673 | 20 | 17 | 7350139873024 | 20 | 31 | 7350139873123 | 20 | 23 | 7350139870535 | 20 | 12 | 7350139870177 | 20 | 9 |
| 7350139873680 | 30 | 23 | 7350139873031 | 30 | 39 | 7350139873130 | 30 | 27 | 7350139870542 | 30 | 15 | 7350139870184 | 30 | 13 |
| 7350139873697 | 40 | 31 | 7350139873048 | 40 | 52 | 7350139873147 | 40 | 35 | 7350139870559 | 40 | 30 | 7350139870191 | 40 | 18 |
| 7350139873703 | 50 | 39 | 7350139873055 | 50 | 66 | 7350139873154 | 50 | 44 | 7350139870566 | 50 | 40 | 7350139870207 | 50 | 24 |
| 7350139873710 | 60 | 45 | 7350139873062 | 60 | 77 | 7350139873161 | 60 | 50 | 7350139870573 | 60 | 48 | 7350139870214 | 60 | 30 |
| 7350139873727 | 80 | 72 | 7350139873079 | 80 | 114 | 7350139873178 | 80 | 69 | 7350139870580 | 80 | 75 | 7350139870221 | 80 | 57 |
| 7350139873734 | 100 | 95 | 7350139873086 | 100 | 156 | 7350139873185 | 100 | 98 | 7350139870597 | 100 | 95 | 7350139870238 | 100 | 79 |
| 7350139873741 | 120 | 121 | 7350139873093 | 120 | 216 | 7350139873192 | 120 | 120 | 7350139870603 | 120 | 125 | 7350139870245 | 120 | 106 |
| 7350139873758 | 140 | 158 | 7350139873109 | 140 | 280 | 7350139873208 | 140 | 154 | 7350139870610 | 140 | 155 | 7350139870252 | 140 | 137 |
| 7350139873765 | 160 | 199 | 7350139873116 | 160 | 336 | 7350139873215 | 160 | 210 | 7350139870627 | 160 | 175 | 7350139870269 | 160 | 179 |
| | | | | | | | | | | | | 7350139870276 | 180 | 226 |
| | | | | | | | | | | | | 7350139870283 | 200 | 278 |

| GTIN | EKO-HUED | Weigh t (kg) | GTIN | EKO-HUSD | Weigh t (kg) | GTIN | EKO-HVYT | Weigh t (kg) | GTIN | EKO-HYT | Weigh t (kg) |
|---------------|----------|--------------|---------------|----------|--------------|---------------|----------|--------------|---------------|---------|--------------|
| 7350139871167 | 20 | 13 | 7350139870931 | 20 | 32 | 7350139873222 | 5-200 | 25 | 7350139873499 | 4 | 14 |
| 7350139871174 | 30 | 18 | 7350139870948 | 30 | 39 | 7350139873239 | 6-200 | 34 | 7350139873505 | 5 | 19 |
| 7350139871181 | 40 | 27 | 7350139870955 | 40 | 75 | 7350139873246 | 6-300 | 37 | 7350139873512 | 6 | 23 |
| 7350139871198 | 50 | 34 | 7350139870962 | 50 | 95 | 7350139873253 | 7-300 | 39 | 7350139873529 | 7 | 31 |
| 7350139871204 | 60 | 43 | 7350139870979 | 60 | 110 | 7350139873260 | 8-300 | 45 | 7350139873536 | 8 | 36 |
| 7350139871211 | 80 | 85 | 7350139870986 | 80 | 165 | 7350139873277 | 9-300 | 52 | 7350139873543 | 9 | 42 |
| 7350139871228 | 100 | 132 | 7350139870993 | 100 | 200 | 7350139873284 | 10-300 | 57 | 7350139873550 | 10 | 47 |
| 7350139871235 | 120 | 158 | 7350139871006 | 120 | 238 | 7350139873291 | 10-400 | 59 | 7350139873567 | 11 | 57 |
| 7350139873659 | 140 | 202 | 7350139871013 | 140 | 265 | 7350139873307 | 11-300 | 61 | 7350139873574 | 12 | 63 |
| 7350139871242 | 160 | 276 | 7350139871020 | 160 | 290 | 7350139873314 | 11-400 | 63 | 7350139873581 | 13 | 69 |
| 7350139871259 | 180 | 350 | | | | 7350139873321 | 12-300 | 65 | 7350139873598 | 14 | 75 |
| 7350139871266 | 200 | 420 | | | | 7350139873338 | 12-400 | 68 | 7350139873604 | 15 | 88 |
| | | | | | | 7350139873345 | 13-400 | 73 | 7350139873611 | 16 | 95 |
| | | | | | | 7350139873352 | 13-500 | 76 | 7350139873628 | 17 | 102 |
| | | | | | | 7350139873369 | 14-400 | 82 | 7350139873635 | 18 | 110 |
| | | | | | | 7350139873376 | 14-500 | 87 | 7350139873642 | 19 | 130 |
| | | | | | | 7350139873383 | 15-400 | 89 | | | |
| | | | | | | 7350139873390 | 15-500 | 94 | | | |
| | | | | | | 7350139873406 | 16-500 | 102 | | | |
| | | | | | | 7350139873413 | 16-600 | 108 | | | |
| | | | | | | 7350139873420 | 17-500 | 109 | | | |
| | | | | | | 7350139873437 | 17-600 | 116 | | | |
| | | | | | | 7350139873444 | 18-500 | 118 | | | |
| | | | | | | 7350139873451 | 18-600 | 123 | | | |
| | | | | | | 7350139873468 | 19-600 | 140 | | | |
| | | | | | | 7350139873475 | 19-700 | 149 | | | |
| | | | | | | 7350139873482 | 19-800 | 158 | | | |