

Environmental Product Declaration

In accordance with ISO 14025:2006 and
EN 15804:2012+A2:2019/AC:2021 for:

GRANITEK

Sinks
from **ELLECI S.P.A.**



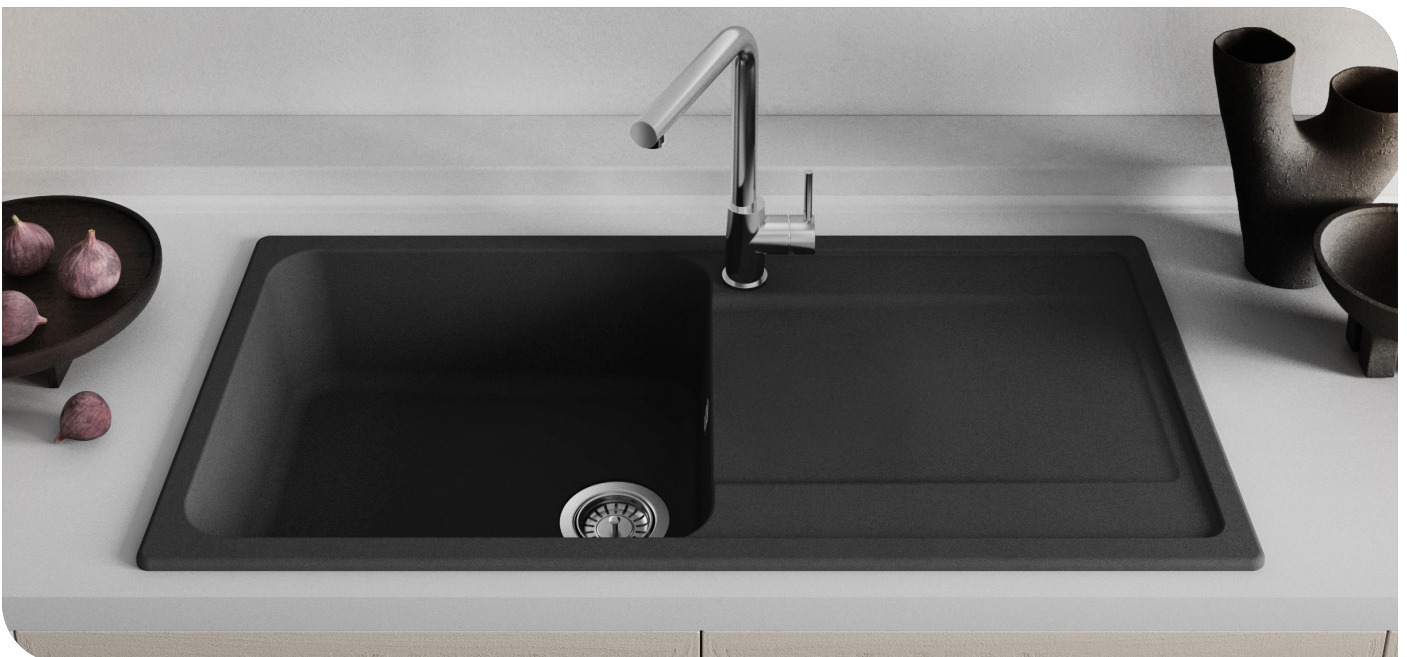
THE INTERNATIONAL EPD® SYSTEM



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EPD of multiple products, based on representative product.

An EPD should provide current information and may be updated if conditions change. The stated validity is therefore subject to the continued registration and publication at www.environdec.com



General information

Programme information

Programme: The International EPD® System

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Accountabilities for PCR, LCA and independent, third-party verification

Product Category Rules (PCR)

CEN standard EN 15804 serves as the Core Product Category Rules (PCR)

Product Category Rules (PCR): PCR 2019:14 Construction products, version 1.3.4

PCR review was conducted by: IVL Swedish Environmental Research Institute, the Secretariat of the International EPD System, CTME, Concrete NZ, Monk Spaces, Aquafil SpA; Version 1.0.0: IVL Swedish Environmental Research Institute, the Secretariat of the International EPD System

Life Cycle Assessment (LCA)

LCA accountability: RED RING Srl with Eng. Francesca Intini



Third-party verification

Independent third-party verification of the declaration and data, according to ISO 14025:2006, via:

EPD verification by individual verifier

Third-party verifier: Adriana Del Borghi delborghi@tetisinstitute.it

Approved by: The International EPD® System

Procedure for follow-up of data during EPD validity involves third party verifier:

Yes No

The EPD owner has the sole ownership, liability, and responsibility for the EPD.

EPDs within the same product category but registered in different EPD programmes, or not compliant with EN 15804, may not be comparable. For two EPDs to be comparable, they must be based on the same PCR (including the same version number) or be based on fully-aligned PCRs or versions of PCRs; cover products with identical functions, technical performances and use (e.g. identical declared/functional units); have equivalent system boundaries and descriptions of data; apply equivalent data quality requirements, methods of data collection, and allocation methods; apply identical cut-off rules and impact assessment methods (including the same version of characterisation factors); have equivalent content declarations; and be valid at the time of comparison. For further information about comparability, see EN 15804 and ISO 14025.

Company information

Owner of the EPD: ELLECI S.P.A.

Contact: Graziano Traversa, graziano.traversa@elleci.it

Description of the organisation: Founded in 1992 by the Traversa family, Elleci designs, manufactures and distributes sinks, composite sinks and design accessories for the kitchen and bath world.

With its headquarters in Pontinia (LT) and branches in China, Germany, Poland, the UK and soon the US, Elleci is a leading brand in Italy, which enjoys worldwide acclaim.

Product-related or management system-related certifications:

Company certifications serve as important recognition of our operating practices and standards.

- ISO 9001:2015 Quality, Our ISO 9001:2015 Quality Management System demonstrates our commitment to customer satisfaction, quality products and services, and the continuous improvement of our processes.
- ISO 14001:2015 Environment, Our ISO 14001:2015 Environmental Management System confirms our commitment to optimising natural resources and reducing the environmental impact of our business practices.
- ISO 45001:2018 Health and safety, Our ISO 45001:2018 certification testifies to our commitment to the health and safety of our employees. We are committed to providing a safe and healthy working environment, adopting best practices to prevent accidents and protect the well-being of our employees.

Name and location of production site(s): Elleci S.p.A. Strada Longitudinale A 1258, 04014 Pontinia (LT) – Italy, Z.I. Mazzocchio

Product information

Product name: GRANITEK Sinks

Product identification:

For more than 30 years, Elleci has been creating innovative materials and shaping ideas that improve people's quality of life.

The Elleci District is a specialized and connected ecosystem in which all company departments collaborate each others to increase business know-how. The heart of the headquarters is the Elleci Innovation Center, where researchers, designers, engineers and technicians work together with a common vision aimed at achieving excellence to develop new solutions that elevate everyday experiences, combining technology, functionality and beauty.

With GraniteK, the patented composite material for the kitchen environment, Elleci combines the charm of natural stone and extraordinary hygiene, strength and durability.

Product description:

The ultra-textured surface is designed to meet the toughest challenges in the kitchen, while preserving the natural beauty of stone. GraniteK stands out for its high resistance to high temperatures, thermal shocks and impacts which, combined with extreme ease of cleaning, make it a everyday use proof material.

The ultramateric effect is expressed in a rich range of Classic, Matt and Metal finishes to fit perfectly into different furnishing styles, where the home environment is an expression of one's own way of being.

Versatile and extremely durable, GraniteK is certified by NSF as a highly hygienic material suitable for food contact, while the Green Guard Gold certifies low chemical emissions guaranteeing the health and safety of the environment.

Included products:

According to the General Programme Instruction (GPI) v. 4.0 and the PCR 2019:14 "Construction products" v.1.3.4, the results for each category of impact are represented for the product LGQ10540, identified as representative. This product is the model with the highest sales volumes in the 2023. The list of the products is available on the last page.

The net weight of LGQ10540 is 9,22 kg, but the gross weight is 12,87 kg.

UN CPC code: 376 Monumental or building stone and articles thereof.

Geographical scope: A1-A2 Europe, A3 Italian, C Global.

LCA information

Functional unit / declared unit: The declared unit is 1 kg of product.

Reference service life: A typical service life is 40 years

Time representativeness: The LCA study is conducted in 2024 with data relating to 2023

Database(s) and LCA software used: The Ecoinvent database v.3.10 (www.ecoinvent.org) provides the life cycle inventory data for the raw and process materials obtained from the background system. LCA software used is SimaPro 9.6.0.1.

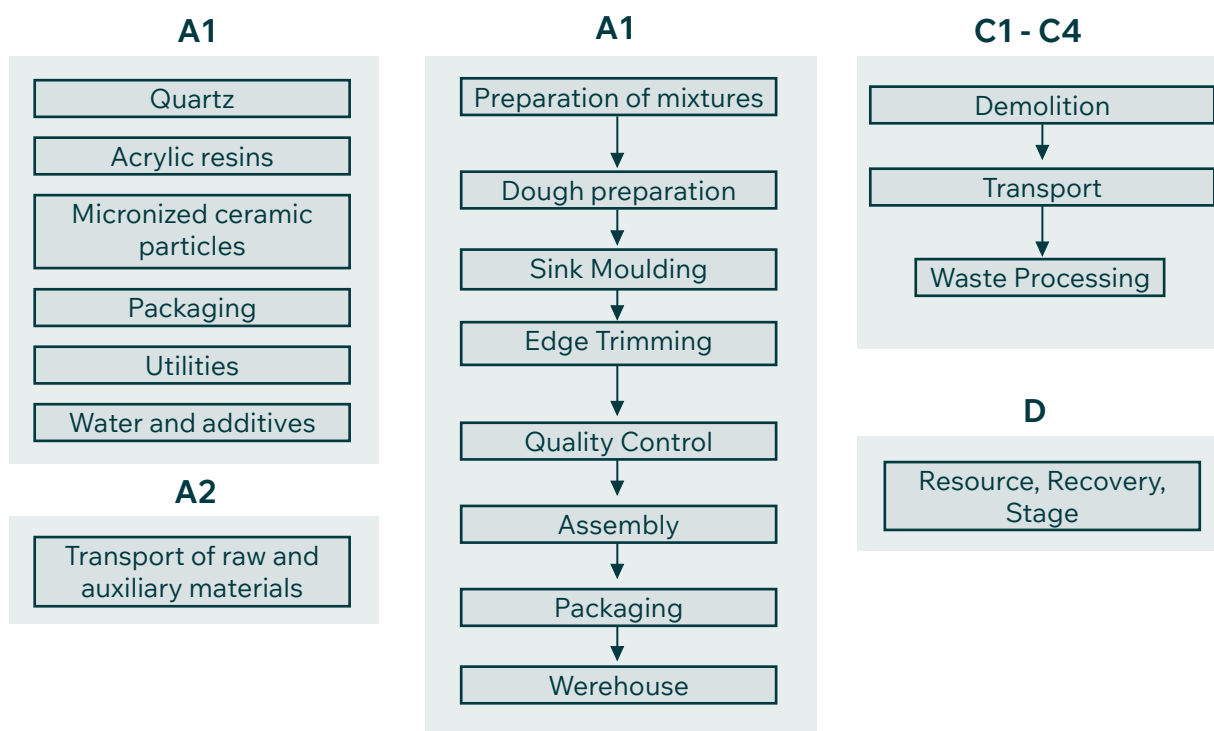
Cut-off rules: 1% cut-off is applied. Plant maintenance operations, infrastructure processes and machinery were excluded from the study.

Quality data: Specific data are used for raw materials, electricity, fuel data, emissions, waste data, average distances and means of transport in modules A2.

Electricity mix: The electricity used in the production process (phase A1-A3) was modelled using the national Residual Mix for a share of 85% and by the photovoltaic system for 15%. The GWP-GHG of the electricity mix is equal to: 0.554 kg CO₂eq./kWh

Description of system boundaries:

Cradle to gate with modules C1–C4 and module D (A1–A3 + C + D)



The transport of the product at the end of its life is modelled with a scenario equal to 20 km by truck. The product can be recovered and sent to companies specialized in recovery. A recovery percentage of 80% is estimated and the remainder sent to landfill. The impacts relating to the avoided impacts of the virgin raw material with a yield of 90% were quantified.

Modules declared, geographical scope, share of specific data (in GWP-GHG results) and data variation (in GWP-GHG results):

| | Product stage | | | Construction process stage | | Use stage | | | | | | | End of life stage | | | | Resource recovery stage |
|----------------------|----------------------|-----------|---------------|----------------------------|---------------------------|-----------|-------------|--------|-------------|---------------|------------------------|-----------------------|----------------------------|-----------|------------------|----------|------------------------------------|
| | Raw materials supply | Transport | Manufacturing | Transport | Construction installation | Use | Maintenance | Repair | Replacement | Refurbishment | Operational energy use | Operational water use | De-construction demolition | Transport | Waste processing | Disposal | Reuse/Recovery/Recycling potential |
| Module | A1 | A2 | A3 | A4 | A5 | B1 | B2 | B3 | B4 | B5 | B6 | B7 | C1 | C2 | C3 | C4 | D |
| Modules declared | X | X | X | ND | ND | ND | ND | ND | ND | ND | ND | ND | X | X | X | X | X |
| Geography | EU | EU | IT | - | - | - | - | - | - | - | - | - | GLO | GLO | GLO | GLO | GLO |
| Specific data used | >70% | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Variation - products | -5% +4% | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Variation - sites | - | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

The following table shows the range of variability for each module (the heaviest and the lightest) and for each category of impact. These values are required by PCR 2019:14 v.1.3.4 for EPD of multiple products with variances greater than 10%.

The heaviest product is LGG91040 but the lightest product is LGQ05040. For the functional unit the choice of the incidence of the packaging is significant.

| Module A1-A3 | LGG91040 | LGQ05040 |
|-----------------------------|----------|----------|
| ODP | -14% | 11% |
| AP | -4% | 4% |
| EP-freshwater | -10% | 4% |
| EP- marine | -7% | 4% |
| EP-terrestrial | -6% | 5% |
| POCP | -6% | 6% |
| ADP- minerals&metal s | -16% | 16% |
| WDP | -15% | 7% |
| GWP-GHG | -5% | 4% |

Content Information

| Product components | Weight, kg | Post-consumer material, weight-% | Biogenic material, weight-% and kg C/kg |
|-----------------------------|--------------|----------------------------------|---|
| Quartz sand | 0,7251 | 0 | 0 |
| Acrylic resins | 0,2612 | 0 | 0 |
| Binding components | 0,0137 | 0 | 0 |
| TOTAL | 1,000 | 0 | 0 |
| Packaging materials | Weight, kg | Weight-% (versus the product) | Weight biogenic carbon, kg C/kg |
| Pallets | 0,046 | 4,6% | 0,024 |
| Cardboard | 0,240 | 24% | 0,108 |
| Plastic | 0,011 | 1,1% | 0 |
| Accessories (plastic) | 0,035 | 3,5% | 0 |
| Accessories (plastic-metal) | 0,034 | 3,4% | 0 |
| Paper | 0,037 | 3,7% | 0,014 |
| TOTAL | 0,404 | 40,4% | 0,146 |

The composition of the product does not vary in function of the item within the GRANITEK family. The product do not contain substances which exceed the limits for registration with the European Chemicals Agency regarding the “Candidate List of Substances of Very High Concern for Authorisation”.

Results of the environmental performance indicators

Mandatory impact category indicators according to EN 15804

| Results per declared unit 1 kg | | | | | | | |
|--------------------------------|--|----------|----------|----------|-----------|----------|-----------|
| Indicator | Unit | A1-A3 | C1 | C2 | C3 | C4 | D |
| GW P-fossil | kg CO ₂ eq. | 4,80E+00 | 0,00E+00 | 4,81E-03 | 1,95E-02 | 1,25E-03 | -3,10E-02 |
| GW P-biogenic ¹ | kg CO ₂ eq. | 1,34E-02 | 0,00E+00 | 8,85E-07 | 7,22E-06 | 3,38E-07 | -1,08E-05 |
| GW P-land use | kg CO ₂ eq. | 3,69E-03 | 0,00E+00 | 1,51E-06 | 2,31E-05 | 6,44E-07 | -2,56E-05 |
| GW P-total | kg CO ₂ eq. | 4,82E+00 | 0,00E+00 | 4,81E-03 | 1,95E-02 | 1,25E-03 | -3,11E-02 |
| ODP | kg CFC 11 eq. | 6,68E-08 | 0,00E+00 | 9,60E-11 | 3,94E-10 | 3,62E-11 | -2,57E-10 |
| AP | mol H ⁺ eq. | 2,03E-02 | 0,00E+00 | 1,44E-05 | 1,22E-04 | 8,86E-06 | -2,31E-04 |
| EP-freshwater | kg P eq. | 1,45E-04 | 0,00E+00 | 3,62E-08 | 2,45E-07 | 1,23E-08 | -7,73E-07 |
| EP-marine | kg N eq. | 3,93E-03 | 0,00E+00 | 4,76E-06 | 4,65E-05 | 3,36E-06 | -5,01E-05 |
| EP-terrestrial | mol N eq. | 3,48E-02 | 0,00E+00 | 5,25E-05 | 5,08E-04 | 3,69E-05 | -5,57E-04 |
| POCP | kg NMVOC eq. | 1,72E-02 | 0,00E+00 | 2,27E-05 | 1,71E-04 | 1,32E-05 | -1,75E-04 |
| ADP-minerals & metals* | kg \$ eq. | 9,93E-06 | 0,00E+00 | 1,53E-08 | 5,04E-08 | 1,95E-09 | -6,73E-08 |
| ADP-fossil* | MJ | 8,03E+01 | 0,00E+00 | 6,70E-02 | 3,18E-01 | 3,07E-02 | -3,40E-01 |
| WD P* | m ³ | 1,07E+00 | 0,00E+00 | 2,55E-04 | -1,56E-02 | 1,34E-03 | -3,50E-02 |
| Acronyms | GW P-fossil = Global Warming Potential fossil fuels; GW P-biogenic = Global Warming Potential biogenic; GW P-land use = 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; WD P = Water (user) deprivation potential, deprivation-weighted water consumption | | | | | | |

* Disclaimer: The results of this environmental impact indicator shall be used with care as the uncertainties of these results are high or as there is limited experience with the indicator.

¹ The A1-A3 results includes the “balancing-out reporting” of the biogenic CO₂ of packaging released in module A5.

Additional mandatory impact category indicators

| Results per declared unit 1 kg | | | | | | | |
|--------------------------------|------------------------|----------|----------|----------|----------|----------|-----------|
| Indicator | Unit | A1-A3 | C1 | C2 | C3 | C4 | D |
| GWP-GHG ² | kg CO ₂ eq. | 4,82E+00 | 0,00E+00 | 4,81E-03 | 1,95E-02 | 1,25E-03 | -3,11E-02 |

Resource use indicators

| Results per declared unit 1 kg | | | | | | | |
|--------------------------------|---|----------|----------|----------|-----------|----------|-----------|
| Indicator | Unit | A1-A3 | C1 | C2 | C3 | C4 | D |
| PERE | M J | 2,20E+00 | 0,00E+00 | 1,25E-03 | 7,73E-03 | 2,76E-04 | -2,10E-02 |
| PERM | M J | 2,87E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 |
| PERT | M J | 5,07E+00 | 0,00E+00 | 1,25E-03 | 7,73E-03 | 2,76E-04 | -2,10E-02 |
| PENRE | M J | 7,00E+01 | 0,00E+00 | 6,70E-02 | 3,18E-01 | 3,07E-02 | -3,40E-01 |
| PENRM | M J | 1,03E+01 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 |
| PENRT | M J | 8,03E+01 | 0,00E+00 | 6,70E-02 | 3,18E-01 | 3,07E-02 | -3,40E-01 |
| SM | kg | 1,90E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 |
| RSF | M J | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 |
| NRSF | M J | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 |
| FW | m ³ | 2,96E-02 | 0,00E+00 | 9,33E-06 | -3,13E-04 | 3,19E-05 | -8,35E-04 |
| Acronyms | 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 material; RSF = Use of renewable secondary fuels; NRSF = Use of non-renewable secondary fuels; FW = Use of net fresh water | | | | | | |

² This indicator accounts for all greenhouse gases except biogenic carbon dioxide uptake and emissions and biogenic carbon stored in the product. As such, the indicator is identical to GWP-total except that the CF for biogenic CO₂ is set to zero.

Waste indicators

| Results per declared unit 1 kg | | | | | | | |
|--------------------------------|------|----------|----------|----------|----------|----------|-----------|
| Indicator | Unit | A1-A3 | C1 | C2 | C3 | C4 | D |
| Hazardous waste disposed | kg | 4,92E-03 | 0,00E+00 | 1,54E-06 | 2,36E-05 | 4,31E-07 | -1,59E-05 |
| Non-hazardous waste disposed | kg | 3,65E-01 | 0,00E+00 | 2,69E-03 | 5,58E-01 | 2,00E-01 | -8,31E-03 |
| Radioactive waste disposed | kg | 3,30E-05 | 0,00E+00 | 2,57E-08 | 1,67E-07 | 4,77E-09 | -1,15E-07 |

Output flow indicators

| Results per declared unit 1 kg | | | | | | | |
|--------------------------------|------|----------|----------|----------|----------|----------|----------|
| Indicator | Unit | A1-A3 | C1 | C2 | C3 | C4 | D |
| Components for re-use | kg | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 |
| Material for recycling | kg | 4,37E-01 | 0,00E+00 | 0,00E+00 | 8,00E-01 | 0,00E+00 | 0,00E+00 |
| Materials for energy recovery | kg | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 |
| Exported energy, electricity | MJ | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 |
| Exported energy, thermal | MJ | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 |

Additional social and economic information

We believe that technological evolution is inherently linked to the impact generated by production processes. With this mind, we prioritise sustainability, placing it at the heart of our business strategy to balance economic growth and environmental stewardship, employee wellness and value creation for society.

The specific objectives and concrete actions that underlie Elleci's commitment to improving its environmental, social and governance performance are explained in the sustainability report published on the website: <https://www.elleci.com/company/sustainability/downloads/>

Differences versus previous versions

Adding new items to the analyzed product family.

Corrected some editing errors.

References

ISO 14025:2010 Environmental labels and declarations – Type III environmental declarations Principles and procedures.

ISO 14040:2021 Environmental management. Life cycle assessment. Principles and frameworks.

ISO 14044:2021 Environmental management. Life cycle assessment. Requirements and guidelines.

General Programme Instructions for Environmental Product Declarations, version 4.0, 2021-03-29.

PCR 2019:14 Construction products, version 1.3.4. - EN 15804:2012+A2:2019/AC:2021

EN 15804+A2 Sustainability in construction works – Environmental product declarations – Core rules for the product category of construction products.

Fascicolo Tecnico- Analisi del ciclo di vita dei prodotti – Lavelli cucina e lavabi bagno – Elleci S.P.A., Rev.03 24_02_2025, redatto da RED RING Srl con la collaborazione dell'Ing. Francesca Intini.

Included products

This declaration applies to products mentioned in the list, along with their finishes. The chosen reference product is highlighted in bold.

| GRANITEK | | | |
|----------|----------------|-------------|--------------------|
| Model | Description | Model | Description |
| B104 | BEST 104 | K105 | KARISMA 105 |
| B105 | BEST 105 | K120 | KARISMA 120 |
| B130 | BEST 130 | 2300 | LIFE 300 |
| B360 | BEST 360 | 2310 | LIFE 310 |
| B400 | BEST 400 | 2400 | LIFE 400 |
| B450 | BEST 450 | 2410 | LIFE 410 |
| B475 | BEST 475 | 2450 | LIFE 450 |
| B480 | BEST 480 | 2475 | LIFE 475 |
| B500 | BEST 500 | 2480 | LIFE 480 |
| Y135 | EASY 135 | 2500 | LIFE 500 |
| Y150 | EASY 150 | M300 | MASTER 300 |
| Y290 | EASY 290 | M350 | MASTER 350 |
| Y300 | EASY 300 | M400 | MASTER 400 |
| Y310 | EASY 310 | M450 | MASTER 450 |
| Y325 | EASY 325 | M500 | MASTER 500 |
| Y425 | EASY 425 | 1305 | ONE 305 |
| Y475 | EASY 475 | Q050 | QUADRA 50 |
| Y480 | EASY 480 | Q100 | QUADRA 100 |
| Y500 | EASY 500 | Q102 | QUADRA 102 |
| YCOR | EASY CORNER | Q105 | QUADRA 105 |
| YR60 | EASY ROUND 600 | Q110 | QUADRA 110 |
| E400 | EGO 400 | Q120 | QUADRA 120 |
| E450 | EGO 450 | Q130 | QUADRA 130 |
| E480 | EGO 480 | Q150 | QUADRA 150 |
| E500 | EGO 500 | Q340 | QUADRA 340 |
| EESA | EGO ESA | Q350 | QUADRA 350 |
| EROU | EGO ROUND | Q440 | QUADRA 440 |
| F180 | FOX 180 | 2102 | TIME 102 |
| F200 | FOX 200 | 2105 | TIME 105 |
| F330 | FOX 330 | 2130 | TIME 130 |
| F340 | FOX 340 | 2100UM | TIME 100 DUALMOUNT |
| F360 | FOX 360 | 2130UM | TIME 130 DUALMOUNT |
| FROU | FOX ROUND | 2105UM | TIME 105 DUALMOUNT |
| H400 | HOME 400 | SGRE | TRAVIATA GREECE |
| H475 | HOME 475 | U125 | UNICO 125 |
| H480 | HOME 480 | U300 | UNICO 300 |

| GRANITEK | |
|----------|--------------|
| Model | Description |
| U305 | UNICO 305 |
| U310 | UNICO 310 |
| U410 | UNICO 410 |
| U480 | UNICO 480 |
| U500 | UNICO 500 |
| UCOR | UNICO CORNER |



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