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Steel HelCor® pipes and ViaCon Stormwater Solutions

Type III Environmental Product Declaration No. EPD-P 01.01.2025

Program EPDPoland
Operator: MULTICERT Sp. z o.o.

EPD VERIFIED

VIACON

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Basic information

This declaration is the Type III Environmental Product Declaration (EPD) based on EN 15804+A2 and verified according to ISO 14025 by an external auditor. It contains the information on the impacts of the declared construction materials on the environment and their aspects verified by the independent body according to ISO 14025. Basically, comparison or evaluation of EPD data is possible only if all the compared data were created according to EN 15804+A2.

Life cycle analysis (LCA): A1-A3, C1-C4 and D modules in accordance with EN 15804 (Cradle-to-Gate with options)The year of preparing the EPD: 2024

Product standards: EN 1090-1

Service Life: 120 years.

PCR: EN 15804 + 2 serves as core PCR

Declared unit: 1 ton.

Reasons for performing LCA: B2B

Representativeness: Hungary, Europe

Multicert Sp. z .o.o. is the operator of the EPD Polska program providing a reliable platform for publishing independently verified environmental product declarations (EPD).
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Manufacturer

ViaCon Hungary Kft., a subsidiary of the ViaCon Group—a leading European provider of innovative infrastructure solutions—specializes in designing, producing, and installing steel structures and flexible infrastructure solutions across Central and Eastern Europe. The company offers innovative, durable, cost-efficient, and environmentally sustainable solutions, including corrugated steel structures, geosynthetics, and soil stabilization systems.

The manufacturing plant is in Biatorbágy, (Hungary, Figure 1).

Distinguished by advanced manufacturing capabilities and an experienced in-house engineering team, ViaCon Hungary delivers customized solutions tailored to client needs. Its certifications, including EN 1090 Factory Production Control, ISO 9001:2015 Quality Management, and ISO 14001 Environmental Management, ensure high standards and sustainability in its operations.

Serving both public and private sectors, ViaCon Hungary has completed numerous projects, from large-scale bridges to complex drainage systems. With the resources and expertise of the ViaCon Group, it is a trusted partner in creating modern, sustainable infrastructure.

Figure 1 The view of ViaCon Hungary manufacturing plant located in Biatorbágy.

Products description

Steel HelCor® pipes are helically corrugated steel products made of S250GD – S350GD steel grade. Complete system of helically corrugated pipes includes elbows or T-connections and also additional elements such as manholes, inspection chambers etc. According to the European Standard EN 1991- 2 HelCor® pipes can be used as engineering structures for every class of road and railway (up to V=200km/h).

HelCor® pipes have Technical Approval issued by Polish Road and Bridge Research Institute (IBDiM). They have been approved for use in Scandinavia, The Baltic States, Switzerland, Hungary, Slovakia, The Czech Republic, Romania, Austria, The Ukraine, and other European countries. HelCor® pipes are approved by Polish Central Mining Institute (GIG) to be used on subsidence areas.

Steel used for the production of the pipes, as well as coupling bands conform to the European Standards of EN 10327 “Continuously hot-dip coated strip and sheet of low carbon steels for cold forming – Technical delivery conditions” and EN 10326 “Continuously hot-dip coated strip and sheet of structural steels - Technical delivery conditions”. Steel is delivered in coils, with a protective coating: 600 g/m2 zinc coating both sides, equivalent to 42 μm on each side, 1000 g/m2 zinc coating both sides, equivalent to 70μm on each side, 600 g/m2 zinc coating both sides, equivalent to 42μm on each side, with an additional 250μm polymer film on one or both sides.

The standard lengths of the HelCor® pipes are 6 m, 7 m and 8 m, however the production process allows the manufacturing of any length of pipe.

ViaCon StormWater Solutions

ViaCon StormWater Solutions are made of spiral corrugated pipes HelCor®. Pipes and connections are watertight and protected against corrosion by hot dip galvanization and polymer coating. Tanks are designed for rain water and sewage store in range of pH = 3 – 12. The system demands less space and is more economical than other classic solutions. Diameters up to 3,6m and high capacity in a wide range of cover depth make the system perfect for solving the problem of rain water disposal in high developed areas.

The specification of the steel pipes and retention tanks manufactured by ViaCon Hungary Kft. is listed in Table 1.

Table 1. The specification of the steel pipes and retention tanks manufactured by ViaCon Hungary Kft.

Product	**Dimension**	Steel grade	**Properties**
HelCor® Pipes	D300mm-D3600mm	S250GD – S350GD Galvanized, Polymer coated or painted	mainly in civil engineering as steel-soil composite structures bearing rail and road traffic loads
ViaCon Stormwater Solutions	D300mm-D3600mm	S250GD – S350GD Galvanized, Polymer coated or painted	Retention tanks, infiltration tanks, firewater tanks, drinking water tanks, perforated tanks, sand and oil separators

Dimensional tolerance: acc.to EN 1090-2, weldability: acc.to EN 10025-2, durability: surface preparation acc.to EN 1090-2, galvanizing acc.to EN 1461, EN 10346, surface coating: acc.to EN 12944-5, EN 10169, producing class till EXC3 acc.to EN-1090-2. More specific information (on products) is available on the producer website: http://www.viaconhungary.hu.

Product material declaration

The product is mainly composed of structural steel (grade S235, S275, S355) that is the main component. Additional materials needed include the welding wire that is 1,29 tons used in the span of 2023. The product raw material is typically just 100% structural steel which is later welded and refined.

Substances, REACH – Very high concern

The products do not contain any REACH SVHC substances in amounts greater than 0.1% (1000 ppm).

Product life-cycle

Raw material acquisition transportation (A1, A2)

Modules A1 and A2 cover the extraction, processing, and delivery of raw materials, primarily galvanized steel, to the production facility. Steel is supplied mainly in coils with varying zinc coatings, and may also include an additional polymer layer on one or both sides. Steel coils together with other galvanized steel products—such as sheets, tubes, profiles, plates, nuts, bolts, and flanges—serve as the primary semi-finished inputs for the manufacturing of ViaCon's pipes and tanks.

Additional ancillary materials include EPDM and rubber seals, protective coatings (paint), and welding supplies (welding wire and gases such as acetylene, oxygen, and CO_2). Materials are sourced from both domestic and EU suppliers. Transportation, covered under Module A2, involves truck transport and relies on Hungarian and European average fuel consumption data.

Manufacturing (A3)

The pipe production process begins with the receipt of raw materials, where galvanized steel sheets undergo quality control inspections to ensure they meet the required specifications. Next, the sheets proceed to the corrugating and forming stage, where specialized machinery transforms them into corrugated steel sheets. These corrugated sheets are then carefully formed into cylindrical or spiral shapes, and precise seams are created to join the individual sections.

For HelCor® pipes, the process continues with profile forming. The cylindrical structures are shaped into either circular profiles from diameter on 300mm up to 3600mm.

The ViaCon StormWater Solutions production line starts with the receipt of bottom plates, bulkheads, and ancillary components. These components, along with the previously produced corrugated HelCor® pipes, serve as core elements of the tanks. After quality checks, they move to the assembly and joining stage, where skilled technicians install the bottom plates and bulkheads. The tank segments are bolted together, and critical sections are welded to ensure structural integrity.

Both production paths converge at the painting stage, where protective coatings are applied to enhance durability and longevity. The final step involves quality control, during which each product undergoes thorough inspection and structural integrity testing. This ensures that every pipe and tank meets ViaCon's stringent quality standards and customer requirements before leaving the facility.

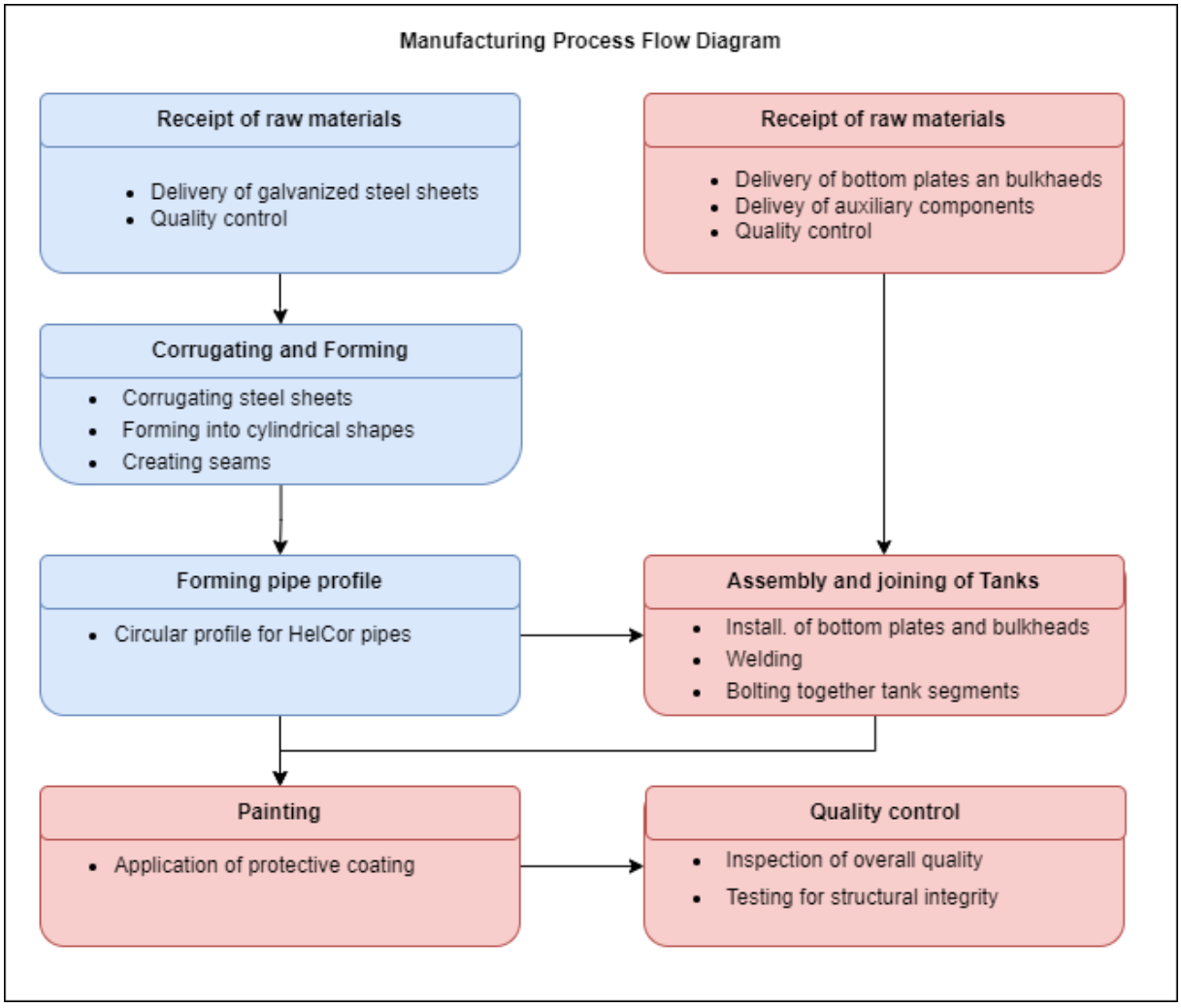

Figure 1 – Diagram of the manufacturing process

End of life (C1, C2, C3, C4, D)

Accurately modeling the impacts of the deconstruction phase (module C1) is challenging, but estimates were made using existing literature on energy consumption during typical demolition processes. In the assumed end-of-life scenario, the dismantled steel pipes and retention tanks are transported 70 km to a waste processing facility using a >16t EURO 5 lorry, where they are shredded. Module D accounts for the credits from recycling 100% of the primary steel scrap, calculated using the net scrap approach outlined by the World Steel Association.

Table 2. End-of-life scenario for the steel pipes and retention tanks manufactured by ViaCon Hungary Kft

Material	Material recovery	Recycling	Landfilling
Steel scrap	100%	95%	5%

Life cycle assessment information

Declared Unit

The declared unit is 1 ton of galvanized HelCor® pipes and ViaCon Stormwater Solutions 300mm diameter to 3600mm diameter, 1.5mm up to 3.5mm gauge manufactured by ViaCon Hungary Kft.

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 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.

System boundary

The life cycle analysis (LCA) of the declared products covers: product stage – modules A1-A3, end of life – modules C2-C4 and benefits and loads beyond the system boundary – module D (cradle-to- gate with options) in accordance with EN 15804+A2. Energy and water consumption, emissions as well as information on generated wastes were inventoried and were included in the calculations. It can be assumed that the total sum of omitted processes does not exceed 5% of all impact categories. In accordance with EN 15804+A2, machines and facilities (capital goods) required for the production as well as transportation of employees were not included in LCA.

Data collection period

Primary data provided by ViaCon Hungary Kft. covers a period from 01.01.2023 to 31.12.2023 (1 year). The life cycle assessments were prepared for Hungary and Europe as reference area.

Data quality

For foreground data, the LCA study relies on high-quality primary data gathered by ViaCon for the year 2023, including all materials used and average transport distances for material

supplies. All relevant background data sets have been sourced from the OpenLCA software's database: Ecoinvent 3.9.1, which includes consistent and well-documented data sets accessible in the Ecoinvent online database or through the Ecoinvent database documentation. No specific data collected is older than five years and no generic datasets used are older than ten years. The representativeness, completeness, reliability, and consistency are judged as good.

Assumptions and estimates

The impacts of the representative steel pipes and retention tanks were aggregated using weighted average. Impacts were inventoried and calculated for all steel pipes and retention tanks manufactured by ViaCon Hungary Kft.

Calculation rules

LCA was performed using OpenLCA software developed in accordance with EN 15804+A2.

Geographic representativeness

The specified land or region where the product system is manufactured and managed is Hungary, Europe.

Life cycle assessment (LCA) – Results

Table 3 System boundaries for the environmental characteristic of the product.

Environmental assessment information (MD – Module Declared, MND – Module Not Declared, INA – Indicator Not Assessed)																
Product stage			Construction process		Use stage							End of life				Benefits and loads beyond the system boundary
Raw material supply	Transport	Manufacturing	Transport to construction site	Construction-installation process	Use	Maintenance	Repair	Replacement	Refurbishment	Operational energy use	Operational water use	Deconstruction 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
MD	MD	MD	MND	MND	MND	MND	MND	MND	MND	MND	MND	MD	MD	MD	MD	MD

HelCor® steel pipes

Table 4. Life cycle assessment (LCA) results of the HelCor® steel pipes manufactured by ViaCon Hungary Kft. – environmental impacts (DU: 1 ton)

Impact category	Unit	A1	A2	A3	C1	C2	C3	C4	D
Acidification	mol H+e	9.97E+00	6.19E-02	1.71E-01	6.96E-03	4.33E-02	2.17E-03	1.43E-03	-9.47E+00
Climate change – total	kg CO2e	2.25E+03	1.90E+01	5.03E+01	1.17E+00	1.33E+01	7.29E-01	1.69E-01	-2.14E+03
Climate change – fossil	kg CO2e	4.67E+00	1.66E-02	2.93E-01	1.17E+00	1.16E-02	3.75E-01	2.07E-03	-4.44E+00
Climate change – biogenic	kg CO2e	2.25E+03	1.90E+01	5.00E+01	1.05E-3	1.33E+01	3.54E-01	1.67E-01	-2.14E+03
Climate change – LULUC	kg CO2e	1.59E+00	9.21E-03	3.04E-02	1.15E-04	6.45E-03	6.51E-04	2.22E-05	-1.51E+00
Abiotic depletion of fossil resources	MJ	2.45E+04	2.71E+02	1.06E+03	1.56E+01	1.90E+02	4.89E+00	2.10E+00	-2.33E+04
Eutrophication, aquatic freshwater	kg PO4e	1.07E+00	1.33E-03	3.04E-02	3.65E-05	9.30E-04	1.15E-03	1.93E-05	-1.01E+00
Eutrophication, aquatic marine	kg Ne	2.28E+00	2.13E-02	4.60E-02	2.86E-03	1.49E-02	1.63E-02	5.99E-04	-2.17E+00
Eutrophication, terrestrial	mol Ne	2.32E+01	2.25E-01	4.29E-01	3.14E-02	1.57E-01	7.68E-03	6.50E-03	-2.21E+01
Abiotic depletion, minerals & metals	kg Sbe	1.42E-02	4.59E-05	4.65E-05	5.87E-07	3.22E-05	1.47E-06	6.40E-08	-1.34E-02
Ozone depletion	kg CFC11e	3.89E-05	4.13E-07	1.31E-06	2.48E-07	2.89E-07	5.17E-09	2.30E-09	-3.70E-05
Photochemical ozone formation	kg NMVOCe	1.08E+01	9.24E-02	1.61E-01	8.57E-03	6.47E-02	1.86E-03	2.03E-03	-1.03E+01
Water use	m3e depr.	1.03E+03	1.33E+00	1.04E+01	4.19E-02	9.31E-01	1.47E-01	5.70E-03	-9.78E+02

*Table 5. Life cycle assessment (LCA) results of **the HelCor® steel pipes** manufactured by ViaCon Hungary Kft. – additional impacts indicators (DU: 1 ton)*

Impact category	Unit	A1	A2	A3	C1	C2	C3	C4	D
Eco-toxicity (freshwater)	**CTUe**	**1.19E+04**	**1.32E+02**	**1.70E+02**	**0.00E+00**	**9.25E+01**	**4.10E+01**	**9.37E-01**	**-1.13E+04**
Human toxicity, cancer effects	CTUh	1.70E-05	8.62E-09	1.21E-08	0.00E+00	6.04E-09	4.88E-10	5.63E-11	-1.62E-05
Human toxicity, non-cancer effects	CTUh	4.75E-05	1.90E-07	3.08E-07	0.00E+00	1.33E-07	5.95E-08	5.79E-10	-4.52E-05
Ionizing radiation, human health	kBq U235-Eq	8.45E+01	3.60E-01	2.35E+01	0.00E+00	2.52E-01	5.78E-02	1.83E-03	-8.03E+01
Particulate matter	disease incidence	1.91E-04	1.51E-06	6.50E-07	0.00E+00	1.06E-06	2.65E-08	3.67E-08	-1.82E-04

*Table 6. Life cycle assessment (LCA) results of **the HelCor® steel pipes** manufactured by ViaCon Hungary Kft. – the resource use (DU: 1 ton)*

Impact category	Unit	A1	A2	A3	C1	C2	C3	C4	D
Total use of non-renewable PER	MJ	2.45E+04	2.71E+02	1.06E+03	1.56E+01	1.90E+02	4.90E+00	2.10E+00	-2.33E+04
Total use of renewable PER	MJ	2.13E+03	4.17E+00	6.66E+01	8.91E-02	2.92E+00	4.28E-01	2.13E-02	-2.02E+03
Use of net fresh water	m3	3.01E+01	4.39E-02	3.21E-01	9.46E-04	3.08E-02	1.50E-03	2.23E-04	-2.86E+01
Use of renewable secondary fuels	MJ	0.00E+00	0.00E+00	0.00E+00	1.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Use of secondary materials	kg	0.00E+00	0.00E+00	0.00E+00	6.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00

*Table 7. Life cycle assessment (LCA) results of **the HelCor® steel pipes** manufactured by ViaCon Hungary Kft. – waste categories (DU: 1 ton)*

Impact category	Unit	A1	A2	A3	C1	C2	C3	C4	D
Hazardous waste	kg	8.24E-03	3.10E-06	3.59E-06	2.09E-02	2.17E-06	1.41E-03	1.49E-08	-7.83E-03
High Level Radioactive waste	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Intermediate and Low-Level Radioactive waste	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Non-hazardous waste	kg	2.00E+01	7.53E-03	1.34E-02	1.41E-01	5.28E-03	2.95E+00	3.64E-05	-1.90E+01
Components for reuse	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Materials for recycling	kg	0.00E+00	0.00E+00	0.00E+00	2.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Materials for energy recovery	kg	0.00E+00	0.00E+00	0.00E+00	3.32E-07	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	0.00E+00	0.00E+00	0.00E+00

StormWater Solutions

*Table 8. Life cycle assessment (LCA) results of **the StormWater Solutions** manufactured by ViaCon Hungary Kft. – environmental impacts (DU: 1 ton)*

Impact category	Unit	A1	A2	A3	C1	C2	C3	C4	D
Acidification	mol H+e	1.05E+01	9.10E-02	1.71E-01	6.96E-03	4.16E-02	2.23E-03	1.38E-03	-9.11E+00
Climate change – total	kg CO2e	2.35E+03	2.81E+01	5.03E+01	1.17E+00	1.28E+01	7.48E-01	1.63E-01	-2.06E+03
Climate change – fossil	kg CO2e	2.00E+00	2.44E-02	2.93E-01	1.17E+00	1.12E-02	3.85E-01	1.99E-03	-4.27E+00
Climate change – biogenic	kg CO2e	2.35E+03	2.80E+01	5.00E+01	1.05E-3	1.28E+01	3.62E-01	1.61E-01	-2.05E+03
Climate change – LULUC	kg CO2e	3.34E+00	1.37E-02	3.04E-02	1.15E-04	6.20E-03	6.67E-04	2.14E-05	-1.45E+00
Abiotic depletion of fossil resources	MJ	2.85E+04	4.00E+02	1.06E+03	1.56E+01	1.82E+02	5.02E+00	2.02E+00	-2.24E+04
Eutrophication, aquatic freshwater	kg PO4e	1.08E+00	1.98E-03	3.04E-02	3.65E-05	8.94E-04	1.18E-03	1.86E-05	-9.75E-01
Eutrophication, aquatic marine	kg Ne	2.37E+00	3.12E-02	4.60E-02	2.86E-03	1.43E-02	1.67E-02	5.76E-04	-2.09E+00
Eutrophication, terrestrial	mol Ne	2.41E+01	3.30E-01	4.29E-01	3.14E-02	1.51E-01	7.87E-03	6.25E-03	-2.12E+01
Abiotic depletion, minerals & metals	kg Sbe	1.57E-02	6.93E-05	4.65E-05	5.87E-07	3.09E-05	1.51E-06	6.16E-08	-1.29E-02
Ozone depletion	kg CFC11e	4.16E-05	6.10E-07	1.31E-06	2.48E-07	2.78E-07	5.30E-09	2.21E-09	-3.56E-05
Photochemical ozone formation	kg NMVOCe	1.14E+01	1.36E-01	1.61E-01	8.57E-03	6.22E-02	1.91E-03	1.96E-03	-9.88E+00
Water use	m3e depr.	1.11E+03	1.98E+00	1.04E+01	4.19E-02	8.94E-01	1.51E-01	5.49E-03	-9.41E+02

*Table 9. Life cycle assessment (LCA) results of **the HelCor® StormWater Solutions** manufactured by ViaCon Hungary Kft. – additional impacts indicators (DU: 1 ton)*

Impact category	Unit	A1	A2	A3	C1	C2	C3	C4	D
Eco-toxicity (freshwater)	CTUe	1.34E+04	1.96E+02	1.70E+02	0.00E+00	8.88E+01	4.21E+01	9.01E-01	-1.09E+04
Human toxicity, cancer effects	CTUh	1.65E-05	1.28E-08	1.21E-08	0.00E+00	5.80E-09	5.00E-10	5.42E-11	-1.56E-05
Human toxicity, non-cancer effects	CTUh	4.77E-05	2.80E-07	3.08E-07	0.00E+00	1.28E-07	6.10E-08	5.57E-10	-4.34E-05
Ionizing radiation, human health	kBq U235-Eq	9.66E+01	5.46E-01	2.35E+01	0.00E+00	2.42E-01	5.93E-02	1.76E-03	-7.72E+01
Particulate matter	disease incidence	1.97E-04	2.20E-06	6.50E-07	0.00E+00	1.02E-06	2.72E-08	3.53E-08	-1.75E-04

*Table 10. Life cycle assessment (LCA) results of **the HelCor® StormWater Solutions** manufactured by ViaCon Hungary Kft.. – the resource use (DU: 1 ton)*

Impact category	Unit	A1	A2	A3	C1	C2	C3	C4	D
Total use of non-renewable PER	MJ	2.85E+04	4.00E+02	1.06E+03	1.56E+01	1.82E+02	5.02E+00	2.02E+00	-2.24E+04
Total use of renewable PER	MJ	2.27E+03	6.30E+00	6.66E+01	8.91E-02	2.81E+00	4.39E-01	2.05E-02	-1.94E+03
Use of net fresh water	m3	3.26E+01	6.54E-02	3.21E-01	9.46E-04	2.96E-02	1.54E-03	2.15E-04	-2.75E+01
Use of renewable secondary fuels	MJ	0.00E+00	0.00E+00	0.00E+00	1.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Use of secondary materials	kg	0.00E+00	0.00E+00	0.00E+00	6.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00

*Table 11. Life cycle assessment (LCA) results of **the HelCor® StormWater Solutions** manufactured by ViaCon Hungary Kft. – waste categories (DU: 1 ton)*

Impact category	Unit	A1	A2	A3	C1	C2	C3	C4	D
Hazardous waste	kg	7.99E-03	4.66E-06	3.59E-06	2.09E-02	2.09E-06	1.44E-03	1.43E-08	-7.53E-03
High Level Radioactive waste	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Intermediate and Low-Level Radioactive waste	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Non-hazardous waste	kg	1.94E+01	1.13E-02	1.34E-02	1.41E-01	5.07E-03	3.03E+00	3.51E-05	-1.83E+01
Components for reuse	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Materials for recycling	kg	0.00E+00	0.00E+00	0.00E+00	2.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Materials for energy recovery	kg	0.00E+00	0.00E+00	0.00E+00	3.32E-07	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	0.00E+00	0.00E+00	0.00E+00

Verification

The external verification procedure for this Environmental Product Declaration (EPD) has been carried out in accordance with the requirements of ISO 14025 standards. Once the verification process is complete, the EPD remains valid for a period of 5 years. There is no need to recalculate the parameters contained in the EPD after this period, provided that the data underlying the declaration have not changed substantially.

EPD Contributors

Manufacturer representative:	Dr. Ákos DÖMÖTÖRFI
Manufacturer representative:	Craig Lee (Internal verifier)
EPD External verifier:	Izabela Sztamberek Sochan, Ph.D.
Note: The sole ownership, liability, and liability of this declaration are with the owner. Construction product declarations may not be comparable if they do not comply with EN 15804. For detailed information on comparability, please refer to EN 15804 and ISO 14025.	

Normative references

- EN 15804:2012+A2:2019 Sustainability of construction works – Environmental product declarations – Core rules for the product category of construction products
- ISO 14025:2006, Environmental labels and declarations – Type III environmental declarations Principles and procedures
- ISO 21930:2017 Sustainability in buildings and civil engineering works – Core rules for environmental product declarations of construction products and services
- ISO 14044:2006 Environmental management – Life cycle assessment – Requirements and guidelines
- ISO 15686-1:2011 Buildings and constructed assets – Service life planning – Part 1: General principles and framework
- ISO 15686-8:2008 Buildings and constructed assets – Service life planning – Part 8: Reference service life and service-life estimation
- ISO 14067:2018 Greenhouse gases — Carbon footprint of products — Requirements and guidelines for quantification
- EN 15942:2012 Sustainability of construction works – Environmental product declarations - Communication format business-to-business
- ISO 20915:2018 Life cycle inventory calculation methodology for steel products
- EN 1090-1: Execution of steel structures and aluminium structures - Part 1: Requirements for conformity assessment of structural components.
- World Steel Association 2017 Life Cycle inventory methodology report for steel products

EPD Certification

Program EPDPoland Operator: MULTICERT Sp. z o.o.

Reg. No. EPD-P 01.01.2025

CERTIFICATE

EPD TYPE III DECLARATION

(ENVIRONMENTAL PRODUCT DECLARATION)

This document confirms that the Environmental Product Declaration developed by
ViaCon Hungary Kft. for Steel HelCor® pipes and
ViaCon Stormwater Solutions
manufactured in accordance with standards
EN 13859-1, EN 13859-2,
meets the requirements of standards
EN 15804 + A2 and ISO 14025,
and that the data contained therein has been prepared correctly.

EPD Environmental Product Declaration
EPD
VERIFIED
EPD POLAND

Verification carried out by:
Izabela Sztamberek Sochan, Ph.D.

MULTICERT JEDNOSTKA CERTYFIKUJĄCA

Program Manager
Grzegorz Suwara

This document is valid until January 10, 2030, or until EPD is deregistered and its publication on the website www.epd.org.pl is discontinued.

EPD Polska Registration Office,
Warsaw, January 10, 2025

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