ENVIRONMENTAL PRODUCT DECLARATION

IN ACCORDANCE WITH EN 15804+A2 & ISO 14025

Visqueen Zedex High Performance Damp Proof Courses

British Polythene Limited t/a Visqueen

Scaling product items include:

- Visqueen Zedex Housing Grade Damp Proof Course
- Visqueen Zedex Preformed Units
- Visqueen High Performance UDG

EPD HUB, EPD number HUB-4686

Published on 05.02.2026, last updated on 05.02.2026, valid until 04.02.2031

Life Cycle Assessment study has been performed in accordance with the requirements of EN 15804, EPD Hub PCR version 1.2 (24 Mar 2025) and JRC characterization factors EF 3.1.

Created with One Click LCA

GENERAL INFORMATION

MANUFACTURER

Manufacturer	British Polythene Limited t/a Visqueen
Address	Heanor Gate Industrial Estate, Derbyshire, UK
Contact details	enquiries@visqueen.com
Website	www.visqueen.com

EPD STANDARDS, SCOPE AND VERIFICATION

Program operator	EPD Hub, hub@epdhub.com
Reference standard	EN 15804:2012+A2:2019/AC:2021 and ISO 14025
PCR	EPD Hub Core PCR Version 1.2, 24 Mar 2025 EN 16757 Product Category Rules for concrete and concrete elements
Sector	Construction product
Category of EPD	Third party verified EPD
Parent EPD number	-
Scope of the EPD	Cradle to gate with options, A4-A5, and modules C1-C4, D
EPD author	Cameron Yates
EPD verification	Independent verification of this EPD and data, according to ISO 14025: ☐ Internal verification ☑ External verification
EPD verifier	Yazan Badour, as authorized verifier acting for EPD HUB Limited

This EPD is intended for business-to-business and/or business-to-consumer communication. The manufacturer has 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	Visqueen Zedex CPT High Performance Damp Proof Course (DPC)
Additional labels	Visqueen Zedex Preformed Units, Visqueen Zedex Housing Grade Damp Proof Course, Visqueen High Performance UDG
Product reference	-
Place(s) of raw material origin	UK
Place of production	UK
Place(s) of installation and use	UK and Ireland
Period for data	2024 calendar year
Averaging in EPD	No grouping
Variation in GWP-fossil for A1-A3 (%)	-
GTIN (Global Trade Item Number)	-
NOBB (Norwegian Building Product Database)	-
A1-A3 Specific data (%)	27.4

ENVIRONMENTAL DATA SUMMARY

Declared unit	1m2
Declared unit mass	0.758 kg
Mass of packaging	0.0428 kg
GWP-fossil, A1-A3 ($kgCO_2e$)	0.41
GWP-total, A1-A3 ($kgCO_2e$)	0.36
Secondary material, inputs (%)	100
Secondary material, outputs (%)	24
Total energy use, A1-A3 (kWh)	-6.32
Net freshwater use, A1-A3 (m^3)	0.01

PRODUCT AND MANUFACTURER

ABOUT THE MANUFACTURER

For more than 50 years, the construction industry has placed its trust in Visqueen products and design services to safeguard a wide range of residential and commercial buildings against harmful ground-based gases, water ingress, damp and fire. Visqueen is at the forefront of innovation technologies, earning the trust and loyalty of industry professionals throughout the UK and Europe.

PRODUCT DESCRIPTIONS

Visqueen Zedex CPT High Performance Damp Proof Course (DPC) is a black, flexible 0.8mm co-polymer thermoplastic (CPT) damp proof course and cavity tray system. It is manufactured from a mixture of thermoplastic polymers and additives including elastomers. The product does not conform to BS6515:1984. The DPC is supplied in 20m length rolls and the following widths: 100mm, 112.5mm, 150mm, 225mm, 300mm, 337.5mm, 450mm, 500mm, 600mm, 700mm, 750mm, 800mm, 900mm, 1000mm, 1200mm and 1400mm

- BBA certified - third party accreditation
- Assessed in accordance with Technical Requirement R3 - conforms to NHBC requirements and suitable for NHBC sites
- Gas resistant - part of the Visqueen Low Permeability Gas Membrane system to provide gas protection to NHBC Amber 1
- Used in conjunction with the Visqueen Radon membranes to provide radon protection
- Widths from 100mm to 1400mm
- Visqueen Preformed Units available - simplifies complex or awkward detailing

Visqueen Zedex Housing Grade Damp Proof Course (DPC) is a black, flexible 0.6mm damp proof course and cavity tray system. It is manufactured from a mixture of thermoplastic polymers and additives including elastomers. The product does not conform to BS6515:1984. The DPC is supplied in 20m length rolls and the following widths: 100mm, 112.5mm, 150mm, 225mm, 300mm, 337.5mm, 450mm, 600mm, 750mm and 900mm.

- BBA certified - third party accreditation
- Assessed in accordance with Technical Requirement R3 - conforms to NHBC requirements and suitable for NHBC sites
- Widths from 100mm to 900mm
- Visqueen Preformed Units available - simplifies complex or awkward detailing

Visqueen Zedex Preformed Units (PFUs) are factory manufactured three dimensional shapes. The units are formed from Visqueen Zedex CPT High Performance DPC material.

- BBA certified - third party accreditation
- Off-site factory manufactured - reduces the risk of water ingress
- Three dimensional shapes - simplifies detailing at complicated junctions
- Flexible materials - provides an allowance for site tolerances
- Extensive range - used for both built-in and surface fixed cavity tray applications

Further information on www.visqueen.com

PRODUCT RAW MATERIAL MAIN COMPOSITION

Raw material category	Amount, mass %	Material origin
Metals	-	-
Minerals	2%	UK
Fossil materials	98%	UK and Europe
Bio-based materials	-	-

BIOGENIC CARBON CONTENT

Product's biogenic carbon content at the factory gate

Biogenic carbon content in product, kg C	0.004745
Biogenic carbon content in packaging, kg C	0.0183

FUNCTIONAL UNIT AND SERVICE LIFE

Declared unit	1 m2
Mass per declared unit	0.758 kg
Functional unit	1 m2
Reference service life	-

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	Deconstruction/ demolition	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.

A market-based approach is used in modelling the electricity mix utilized in the factory.

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 membrane consists mostly of Sustane, Visqueen's range of certified and traceable recycled plastic content and an elastomer. Sustane polymers are designed to support circular economy objectives, these materials help reduce dependence on virgin plastics while preserving high standards of quality and performance. Sustane recycled polymers are manufactured at the Heanor, UK site. An elastomer and added colour pigments are added in extrusion process to achieve the desired colour and properties, such as flexibility, strength, and barrier effectiveness. The elastomer and coloured masterbatch are delivered from external suppliers within EU and USA. Raw materials are blended with modifiers and colour masterbatch using a gravimetric blender. The blended materials is fed into an extruder, where it is melted, homogenized, and forced through a flat die to form a continuous thin sheet. The extruded sheet is embossed and cooled before being trimmed and cut to the required dimensions in a final conversion process. Finally, the finished membrane is inspected and packaged for distribution and use in construction applications. A market-based approach is used in modelling the electricity mix utilized in the factory.

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.

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. There is a 3% overlap that is considered in the calculations. The product is installed using double sided tapes however it is not accounted in the LCA calculations. The scaling table includes the Visqueen Zedex Preformed Units that includes a welded overlap sections however it is not accounted in the LCA calculations. Packaging treatment is also considered based on Eurostat statistics.

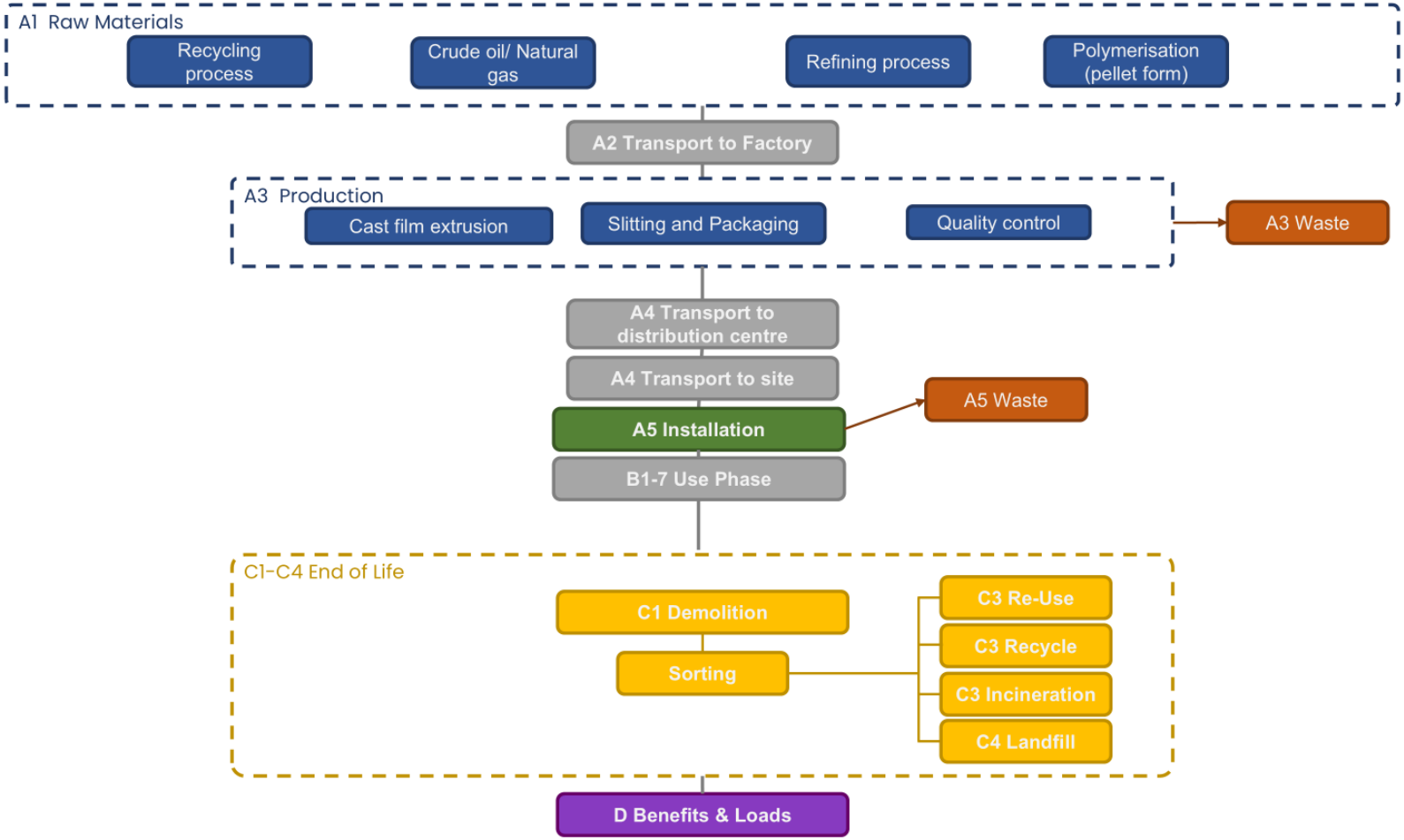
PRODUCT USE AND MAINTENANCE (B1-B7)

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)

The disassembly of the product is assumed to be done manually, so no energy use is included in the assessment. It is assumed that the membrane is collected separately and transported to a waste treatment facility for recycling as the product is 100% fully recyclable. Transportation distance to waste treatment plant is assumed to be 250 km and the transportation method is assumed to be lorry (C2). The end-of-life scenario is structured based on statistics by Plastic Europe (2020). Module C3 accounts for energy and resource inputs for sorting and treating of materials for recycling. Landfilled materials are included in module C4. The material and energy recovery potential of the product and its packaging results in avoided virgin material production and allows for energy recovery from incineration that replaces electricity and heat from primary sources. Benefits and loads from incineration and recycling are included in Module D.

SYSTEM DIAGRAM



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.

The production of capital equipment, construction activities, and infrastructure, maintenance and operation of capital equipment, personnel-related activities, energy and water use related to company management and sales activities are excluded.

VALIDATION OF DATA

Data collection for production, transport, and packaging was conducted using time and site-specific information, as defined in the general information section on page 1 and 2. Upstream process calculations rely on generic data as defined in the Bibliography section. Manufacturer-provided specific and generic data were used for the product's manufacturing stage. The analysis was performed in One Click LCA EPD Generator, with the 'Cut-Off, EN 15804+A2' allocation method, and characterization factors according to EN 15804:2012+A2:2019/AC:2021 and JRC EF 3.1.

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 material	Allocated by mass or volume
Ancillary materials	Allocated by mass or volume
Manufacturing energy and waste	Allocated by mass or volume

PRODUCT & MANUFACTURING SITES GROUPING

Type of grouping	No grouping
Grouping method	Not applicable
Variation in GWP-fossil for A1-A3, %	-

This EPD is product and factory specific.

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. The EPD Generator uses Ecoinvent v3.10.1/3.11 and One Click LCA databases as sources of environmental data. Allocation used in Ecoinvent 3.10.1/3.11 environmental data sources follow the methodology ‘allocation, Cut-off, EN 15804+A2‘.

ENVIRONMENTAL IMPACT DATA

The estimated impact results are only relative statements which do not indicate the end points of the impact categories, exceeding threshold values, safety margins or risks.

CORE ENVIRONMENTAL IMPACT INDICATORS – EN 15804+A2, EF 3.1

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_2e	2.98E-01	1.50E-03	6.40E-02	3.64E-01	2.29E-02	8.09E-02	ND	ND	ND	ND	ND	ND	ND	0.00E+00	1.20E-02	1.18E+00	2.45E-02	-9.43E-01
GWP – fossil	kg CO_2e	2.80E-01	1.50E-03	1.31E-01	4.13E-01	2.28E-02	1.36E-02	ND	ND	ND	ND	ND	ND	ND	0.00E+00	1.20E-02	1.18E+00	2.45E-02	-9.41E-01
GWP – biogenic	kg CO_2e	1.74E-02	2.05E-07	-6.73E-02	-5.00E-02	4.81E-06	6.72E-02	ND	ND	ND	ND	ND	ND	ND	0.00E+00	2.72E-06	-2.01E-05	-1.29E-05	-1.12E-03
GWP – LULUC	kg CO_2e	4.61E-04	5.80E-07	4.34E-04	8.96E-04	8.59E-06	1.08E-05	ND	ND	ND	ND	ND	ND	ND	0.00E+00	5.36E-06	1.98E-05	1.50E-06	-9.11E-04
Ozone depletion pot.	kg $CFC\text{-}_{11}$e	7.81E-09	2.99E-11	6.14E-09	1.40E-08	4.60E-10	1.73E-10	ND	ND	ND	ND	ND	ND	ND	0.00E+00	1.77E-10	2.37E-10	5.93E-11	-2.08E-08
Acidification potential	mol H^+e	1.35E-03	6.10E-06	3.90E-04	1.74E-03	7.37E-05	2.90E-05	ND	ND	ND	ND	ND	ND	ND	0.00E+00	4.09E-05	1.94E-04	1.63E-05	-4.43E-03
EP-freshwater[2)]	kg Pe	1.47E-04	9.96E-08	1.89E-05	1.66E-04	1.54E-06	2.45E-06	ND	ND	ND	ND	ND	ND	ND	0.00E+00	9.33E-07	4.58E-06	2.41E-07	-3.72E-04
EP-marine	kg Ne	2.52E-04	1.91E-06	1.28E-04	3.82E-04	2.51E-05	1.40E-05	ND	ND	ND	ND	ND	ND	ND	0.00E+00	1.34E-05	1.01E-04	5.43E-05	-7.05E-04
EP-terrestrial	mol Ne	2.20E-03	2.09E-05	1.19E-03	3.41E-03	2.73E-04	7.53E-05	ND	ND	ND	ND	ND	ND	ND	0.00E+00	1.46E-04	9.01E-04	6.65E-05	-7.21E-03
POCP ("smog")[3)]	kg NMVOCe	1.02E-03	8.62E-06	3.39E-04	1.37E-03	1.20E-04	2.79E-05	ND	ND	ND	ND	ND	ND	ND	0.00E+00	6.03E-05	2.31E-04	2.89E-05	-3.61E-03
ADP-minerals & metals[4)]	kg Sbe	3.57E-06	4.06E-09	2.72E-07	3.85E-06	6.31E-08	4.71E-08	ND	ND	ND	ND	ND	ND	ND	0.00E+00	3.34E-08	1.38E-07	5.17E-09	-4.15E-06
ADP-fossil resources	MJ	6.44E+00	2.16E-02	2.87E+00	9.33E+00	3.31E-01	1.21E-01	ND	ND	ND	ND	ND	ND	ND	0.00E+00	1.74E-01	2.02E-01	5.09E-02	-2.13E+01
Water use[5)]	m^3e depr.	1.29E-01	1.10E-04	5.79E-02	1.87E-01	1.70E-03	2.57E-03	ND	ND	ND	ND	ND	ND	ND	0.00E+00	8.59E-04	3.07E-02	2.50E-04	-2.78E-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, EF 3.1

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	1.21E-08	1.46E-10	3.37E-09	1.56E-08	2.27E-09	3.43E-10	ND	ND	ND	ND	ND	ND	ND	0.00E+00	1.20E-09	1.41E-09	3.69E-10	-3.58E-08
Ionizing radiation[6)]	kBq U235e	8.60E-02	2.56E-05	7.49E-02	1.61E-01	3.99E-04	1.69E-03	ND	ND	ND	ND	ND	ND	ND	0.00E+00	1.52E-04	9.12E-04	5.06E-05	-1.60E-01
Ecotoxicity (freshwater)	CTUe	1.42E+00	2.52E-03	2.99E-01	1.72E+00	3.90E-02	4.64E-02	ND	ND	ND	ND	ND	ND	ND	0.00E+00	2.46E-02	3.17E-01	7.59E-02	-4.32E+00
Human toxicity, cancer	CTUh	1.25E-10	2.50E-13	5.89E-11	1.85E-10	3.76E-12	3.16E-12	ND	ND	ND	ND	ND	ND	ND	0.00E+00	1.98E-12	4.76E-11	1.20E-12	-1.47E-10
Human tox. non-cancer	CTUh	4.08E-09	1.38E-11	7.05E-10	4.79E-09	2.15E-10	1.13E-10	ND	ND	ND	ND	ND	ND	ND	0.00E+00	1.13E-10	1.88E-09	2.36E-10	-7.06E-09
SQP[7)]	-	1.70E+00	2.12E-02	3.86E+00	5.58E+00	3.33E-01	9.02E-02	ND	ND	ND	ND	ND	ND	ND	0.00E+00	1.75E-01	2.02E-01	1.19E-01	-3.77E+00

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	8.84E-01	3.47E-04	1.85E-01	1.07E+00	5.39E-03	-5.53E-01	ND	ND	ND	ND	ND	ND	ND	0.00E+00	2.38E-03	1.48E-02	7.97E-04	-1.72E+00
Renew. PER as material	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	9.17E-02
Total use of renew. PER	MJ	8.84E-01	3.47E-04	1.85E-01	1.07E+00	5.39E-03	-5.53E-01	ND	ND	ND	ND	ND	ND	ND	0.00E+00	2.38E-03	1.48E-02	7.97E-04	-1.63E+00
Non-re. PER as energy	MJ	-2.66E+01	2.16E-02	2.78E+00	-2.38E+01	3.31E-01	-4.57E-01	ND	ND	ND	ND	ND	ND	ND	0.00E+00	1.74E-01	-2.21E+01	-7.98E+00	-2.13E+01
Non-re. PER as material	MJ	3.31E+01	0.00E+00	-1.87E+00	3.12E+01	0.00E+00	0.00E+00	ND	ND	ND	ND	ND	ND	ND	0.00E+00	0.00E+00	-2.28E+01	-8.42E+00	7.84E+00
Total use of non-re. PER	MJ	6.44E+00	2.16E-02	9.10E-01	7.37E+00	3.31E-01	-4.57E-01	ND	ND	ND	ND	ND	ND	ND	0.00E+00	1.74E-01	-4.48E+01	-1.64E+01	-1.34E+01
Secondary materials	kg	7.92E-01	9.45E-06	1.77E-02	8.10E-01	1.43E-04	8.13E-03	ND	ND	ND	ND	ND	ND	ND	0.00E+00	7.41E-05	7.78E-04	1.84E-05	1.93E-01
Renew. secondary fuels	MJ	3.17E-05	1.15E-07	1.07E-02	1.07E-02	1.81E-06	1.07E-04	ND	ND	ND	ND	ND	ND	ND	0.00E+00	9.41E-07	5.70E-06	3.45E-07	-1.79E-05
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	3.67E-03	3.15E-06	1.34E-03	5.01E-03	4.89E-05	-5.02E-05	ND	ND	ND	ND	ND	ND	ND	0.00E+00	2.57E-05	2.72E-04	-7.58E-04	-9.06E-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	1.73E-02	3.14E-05	4.07E-03	2.14E-02	4.79E-04	4.64E-04	ND	ND	ND	ND	ND	ND	ND	0.00E+00	2.95E-04	1.13E-02	8.95E-05	-5.94E-02
Non-hazardous waste	kg	1.83E+00	6.21E-04	2.61E-01	2.10E+00	9.59E-03	1.75E-01	ND	ND	ND	ND	ND	ND	ND	0.00E+00	5.46E-03	4.52E-01	1.02E+00	-3.34E+00
Radioactive waste	kg	2.20E-05	6.34E-09	1.59E-05	3.79E-05	9.87E-08	4.01E-07	ND	ND	ND	ND	ND	ND	ND	0.00E+00	3.71E-08	2.32E-07	1.24E-08	-4.09E-05

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	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
Materials for recycling	kg	0.00E+00	0.00E+00	3.18E-03	3.18E-03	0.00E+00	2.23E-02	ND	ND	ND	ND	ND	ND	ND	0.00E+00	0.00E+00	1.82E-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	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
Exported energy	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.59E-02	ND	ND	ND	ND	ND	ND	ND	0.00E+00	0.00E+00	6.00E+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	3.14E-02	ND	ND	ND	ND	ND	ND	ND	0.00E+00	0.00E+00	2.52E+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	4.45E-02	ND	ND	ND	ND	ND	ND	ND	0.00E+00	0.00E+00	3.47E+00	0.00E+00	0.00E+00

ENVIRONMENTAL IMPACTS – EN 15804+A1, CML

Impact category	Unit	A1	A2	A3	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
Global Warming Pot.	kg CO_2e	2.97E-01	1.49E-03	1.31E-01	4.29E-01	2.27E-02	1.58E-02	ND	ND	ND	ND	ND	ND	ND	0.00E+00	1.19E-02	1.18E+00	2.35E-02	-9.25E-01
Ozone depletion Pot.	kg CFC_{-11}e	6.46E-09	2.38E-11	4.90E-09	1.14E-08	3.66E-10	1.41E-10	ND	ND	ND	ND	ND	ND	ND	0.00E+00	1.41E-10	1.99E-10	4.74E-11	-1.72E-08
Acidification	kg SO_2e	1.13E-03	4.69E-06	2.98E-04	1.43E-03	5.59E-05	2.31E-05	ND	ND	ND	ND	ND	ND	ND	0.00E+00	3.12E-05	1.39E-04	1.21E-05	-3.74E-03
Eutrophication	kg PO_4^3e	2.28E-04	1.01E-06	3.93E-04	6.22E-04	1.41E-05	1.10E-05	ND	ND	ND	ND	ND	ND	ND	0.00E+00	7.61E-06	4.31E-05	7.91E-06	-9.07E-03
POCP (“smog”)	kg C_2H_4e	8.43E-05	3.90E-07	2.50E-05	1.10E-04	5.26E-06	2.28E-06	ND	ND	ND	ND	ND	ND	ND	0.00E+00	2.78E-06	1.02E-05	4.54E-06	-3.07E-04
ADP-elements	kg Sbe	3.47E-06	3.96E-09	2.82E-07	3.75E-06	6.16E-08	4.58E-08	ND	ND	ND	ND	ND	ND	ND	0.00E+00	3.26E-08	1.30E-07	5.02E-09	-4.10E-06
ADP-fossil	MJ	4.93E+00	2.12E-02	1.93E+00	6.88E+00	3.24E-01	9.49E-02	ND	ND	ND	ND	ND	ND	ND	0.00E+00	1.72E-01	1.87E-01	5.01E-02	-1.85E+01

ADDITIONAL INDICATOR – GWP-GHG

Impact category	Unit	A1	A2	A3	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
GWP-GHG[9)]	kg CO_2e	2.81E-01	1.50E-03	1.31E-01	4.14E-01	2.29E-02	1.37E-02	ND	ND	ND	ND	ND	ND	ND	0.00E+00	1.20E-02	1.18E+00	2.45E-02	-9.42E-01

9) This indicator includes all greenhouse gases excluding biogenic carbon dioxide uptake and emissions and biogenic carbon stored in the product. In addition, the characterisation factors for the flows – CH4 fossil, CH4 biogenic and Dinitrogen monoxide – were updated. This indicator is identical to the GWP-total of EN 15804:2012+A2:2019 except that the characterisation factor for biogenic CO2 is set to zero.

SCENARIO DOCUMENTATION

INSTALLATION SCENARIO DOCUMENTATION

Scenario information	Value				
Installation Loss (%)	1				
Waste materials on the building site before waste processing, generated by the product's installation (specified by type) / kg	Inert waste	0.024 kg			
	Wood packaging	0.0215kg			
	Paper/Cardboard packaging	0.0152kg			
	Plastic packaging	0.0061kg			
Output materials (specified by type) as result of waste processing at the building site e.g. collection for recycling, for energy recovery, disposal (specified by route) / kg		Inert waste	Wood packaging	Paper / Cardboard	Plastic packaging
	Recycling		0.0069	0.013	0.0024
	Energy recovery		0.0064	0.0012	0.0023
	Disposal	0.024	0.0082	0.014	0.0014
Direct emissions to ambient air, soil and water / kg	Not applicable				

SCENARIO DOCUMENTATION

MANUFACTURING ENERGY SCENARIO DOCUMENTATION

	Value
Electricity data source and quality	Electricity, medium voltage, residual mix (Reference product: electricity, medium voltage)
Electricity kg CO2e / kWh	0.44
District heating data source and quality	n/a
District heating kg CO2e / kWh	n/a

End of life scenario documentation

Scenario information	Value
Collection process – kg collected separately	0.758
Collection process – kg collected with mixed waste	0
Recovery process – kg for re-use	0
Recovery process – kg for recycling	0.18
Recovery process – kg for energy recovery	0.37
Disposal (total) – kg for final deposition	0.2
Scenario assumptions e.g. transportation	50 to 250 km truck transportation for handling different waste processes.

THIRD-PARTY VERIFICATION STATEMENT

EPD Hub declares that this EPD is verified in accordance with ISO 14025 by an independent, third-party verifier. The project report on the Life Cycle Assessment and the report(s) on features of environmental relevance are filed at EPD Hub. EPD Hub PCR and ECO Platform verification checklist are used.

EPD Hub is not able to identify any unjustified deviations from the PCR and EN 15804+A2 in the Environmental Product Declaration and its project report.

EPD Hub maintains its independence as a third-party body; it was not involved in the execution of the LCA or in the development of the declaration and has no conflicts of interest regarding this verification.

The company-specific data and upstream and downstream data have been examined as regards plausibility and consistency. The publisher is responsible for ensuring the factual integrity and legal compliance of this declaration.

The software used in creation of this LCA and EPD is verified by EPD Hub to conform to the procedural and methodological requirements outlined in ISO 14025:2010, ISO 14040/14044, EN 15804+A2, and EPD Hub Core Product Category Rules and General Program Instructions.

Verified tools

Tool verifier: Magaly Gonzalez Vazquez
Tool verification validity: 27 March 2025 - 26 March 2028

Yazan Badour, as authorized verifier acting for EPD HUB Limited

05.02.2026

ANNEX

SCALING TABLE

TABLE 1

Product Name	Mass kg/m2	A1-A3, EN 15804+A1	A1-A3, EN 15804+A2		
		GWP	GWP-total	GWP-fossil	GWP-biogenic
Visqueen Zedex CPT High Performance Damp Proof Course & Visqueen Zedex Preformed Units	0.758	0.429	0.364	0.413	-0.050
Visqueen Zedex Housing Grade Damp Proof Course	0.568	0.321	0.273	0.309	-0.037
Visqueen High Performance UDG	0.947	0.536	0.455	0.516	-0.063