ENVIRONMENTAL PRODUCT DECLARATION

IN ACCORDANCE WITH EN 15804+A2 & ISO 14025

Visqueen Self Adhesive Membrane

British Polythene Limited t/a Visqueen

Scaling items include:
Visqueen Gas Resistant Self Adhesive Membrane/ Visqueen Fully Bonded Vapour Barrier

Scenarios for Installation includes:
Membrane with Visqueen HP Tanking Primer

EPD HUB, EPD number HUB-5545
Published on 26.02.2026, last updated on 26.02.2026, valid until 25.02.2031

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.

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
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 - Visqueen
EPD verification	Independent verification of this EPD and data, according to ISO 14025: ☐ Internal verification ☑ External verification
EPD verifier	Elma Avdyli as an authorized verifier for EPD Hub

This EPD is intended for business-to-business and/or business-to-consumer communication. 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	Visqueen Self Adhesive Membrane
Additional labels	Visqueen Gas Resistant Self Adhesive Membrane
Product reference	-
Place(s) of raw material origin	Italy
Place of production	Bologna, Italy
Place(s) of installation and use	UK and Ireland
Period for data	2023
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 (%)	88.1

ENVIRONMENTAL DATA SUMMARY

Declared unit	1m²
Declared unit mass	1.65 kg
Mass of packaging	0.07 kg
GWP-fossil, A1-A3 ($kgCO_2e$)	1.92
GWP-total, A1-A3 ($kgCO_2e$)	1.18
Secondary material, inputs (%)	5.67
Secondary material, outputs (%)	0
Total energy use, A1-A3 (kWh)	11.4
Net freshwater use, A1-A3 (m^3)	0.02

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 DESCRIPTION

Visqueen Self Adhesive Membrane is a modified bitumen rubber membrane with a black self adhesive coating protected by a removable release film. It is dark grey on the upper surface and supplied in rolls 1m x 20m.

Visqueen Gas Resistant Self Adhesive Membrane is a foil lined modified bitumen rubber membrane with a self adhesive coating protected by a removable polyethylene release film. The product is silver on the upper surface and supplied in rolls 1m x 20m.

Further information can be found at:
www.visqueen.com

PRODUCT RAW MATERIAL MAIN COMPOSITION

Raw material category	Amount, mass %	Material origin
Metals	-	-
Minerals	-	-
Fossil materials	100	Italy
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	0.202

FUNCTIONAL UNIT AND SERVICE LIFE

Declared unit	1m²
Mass per declared unit	1.65 kg
Functional unit	1m²
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. 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 utilised in the factory.

The raw materials of bitumen and oils are delivered by tankers and stored in dedicated silos. The raw materials are conveyed into a mixer through heated pipes whilst other additives where appropriate are added through containers. Once the bituminous compound is produced it is transferred to secondary maintaining mixers then sent to the production line. The carrier film and release liner and the bituminous compound is coated onto the carrier at the required thickness. The composite is then cooled and unrolled onto winders. Finally the roll is boxed and placed on a pallet.

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. Transport distance from manufacturing site to customer is estimated at 2000 km

There is a 1% material loss due to cut offs considered in the calculations for installation loss and is a site specific data. The product is installed using Visqueen HP Tanking Primer and this is accounted in LCA calculations in section A5.
Packaging treatment is also considered based on Eurostat statistics.

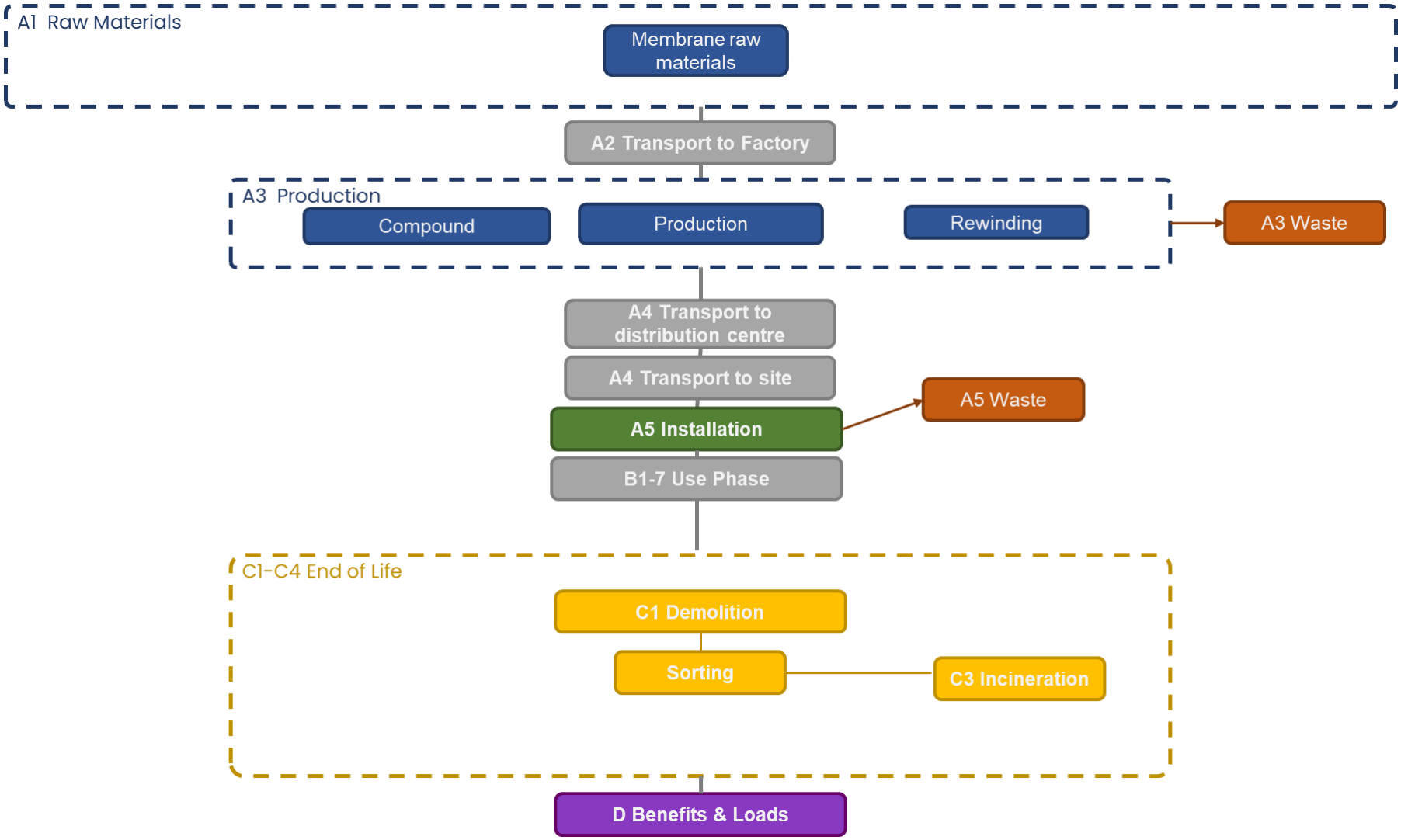
PRODUCT USE AND MAINTENANCE (B1-B7)

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)

This product cannot be recycled therefore worse case scenario of landfilling was considered as a conservative approach. Recycling and incineration benefits and loads for packaging were considered in module D.

SYSTEM DIAGRAM



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 for EPD Hub V3 v3.2.3. 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	1.75E+00	5.08E-03	-5.79E-01	1.18E+00	3.39E-01	9.27E-01	ND	ND	ND	ND	ND	ND	ND	0.00E+00	9.83E-03	0.00E+00	2.42E-01	-4.19E-02
GWP – fossil	kg CO_2e	1.75E+00	5.08E-03	1.60E-01	1.92E+00	3.38E-01	1.86E-01	ND	ND	ND	ND	ND	ND	ND	0.00E+00	9.82E-03	0.00E+00	2.42E-01	-3.19E-02
GWP – biogenic	kg CO_2e	0.00E+00	4.88E-09	-7.41E-01	-7.41E-01	7.66E-05	7.41E-01	ND	ND	ND	ND	ND	ND	ND	0.00E+00	2.22E-06	0.00E+00	1.71E-06	-1.00E-02
GWP – LULUC	kg CO_2e	1.52E-03	2.27E-06	1.87E-03	3.39E-03	1.51E-04	1.63E-04	ND	ND	ND	ND	ND	ND	ND	0.00E+00	4.39E-06	0.00E+00	9.13E-07	-3.31E-05
Ozone depletion pot.	kg CFC_{-11}e	3.45E-07	7.50E-11	3.90E-09	3.49E-07	5.00E-09	1.09E-08	ND	ND	ND	ND	ND	ND	ND	0.00E+00	1.45E-10	0.00E+00	1.33E-10	-1.01E-09
Acidification potential	mol H^+e	9.21E-03	1.73E-05	1.04E-03	1.03E-02	1.15E-03	6.72E-04	ND	ND	ND	ND	ND	ND	ND	0.00E+00	3.35E-05	0.00E+00	8.02E-05	-1.42E-04
EP-freshwater[2)]	kg Pe	3.74E-04	3.96E-07	6.14E-05	4.36E-04	2.63E-05	1.83E-05	ND	ND	ND	ND	ND	ND	ND	0.00E+00	7.64E-07	0.00E+00	2.88E-07	-1.14E-05
EP-marine	kg Ne	2.37E-03	5.69E-06	3.61E-04	2.74E-03	3.79E-04	2.51E-04	ND	ND	ND	ND	ND	ND	ND	0.00E+00	1.10E-05	0.00E+00	3.96E-03	-2.33E-05
EP-terrestrial	mol Ne	2.29E-02	6.19E-05	3.60E-03	2.66E-02	4.13E-03	1.91E-03	ND	ND	ND	ND	ND	ND	ND	0.00E+00	1.20E-04	0.00E+00	4.06E-04	-2.39E-04
POCP ("smog")[3)]	kg NMVOCe	7.11E-03	2.55E-05	1.20E-03	8.34E-03	1.70E-03	6.91E-04	ND	ND	ND	ND	ND	ND	ND	0.00E+00	4.93E-05	0.00E+00	1.95E-04	-1.43E-04
ADP-minerals & metals[4)]	kg Sbe	9.07E+01	1.42E-08	9.15E-07	9.07E+01	9.44E-07	2.72E+00	ND	ND	ND	ND	ND	ND	ND	0.00E+00	2.74E-08	0.00E+00	3.21E-09	-1.67E-07
ADP-fossil resources	MJ	6.23E-06	7.37E-02	2.78E+00	2.85E+00	4.91E+00	6.36E+00	ND	ND	ND	ND	ND	ND	ND	0.00E+00	1.42E-01	0.00E+00	1.16E-01	-8.06E-01
Water use[5)]	m^3e depr.	5.96E-01	3.64E-04	1.99E-01	7.95E-01	2.43E-02	3.23E-02	ND	ND	ND	ND	ND	ND	ND	0.00E+00	7.04E-04	0.00E+00	3.00E-04	-8.87E-03

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	0.00E+00	5.09E-10	1.70E-08	1.75E-08	3.39E-08	6.74E-09	ND	ND	ND	ND	ND	ND	ND	0.00E+00	9.83E-10	0.00E+00	2.27E-09	-1.13E-09
Ionizing radiation[6]	kBq U235e	0.00E+00	6.42E-05	2.19E-02	2.20E-02	4.28E-03	2.99E-03	ND	ND	ND	ND	ND	ND	ND	0.00E+00	1.24E-04	0.00E+00	4.96E-05	-5.26E-03
Ecotoxicity (freshwater)	CTUe	0.00E+00	1.04E-02	3.05E+00	3.06E+00	6.95E-01	3.90E+00	ND	ND	ND	ND	ND	ND	ND	0.00E+00	2.02E-02	0.00E+00	4.85E-01	-6.66E-02
Human toxicity, cancer	CTUh	0.00E+00	8.39E-13	7.27E-10	7.27E-10	5.59E-11	9.71E-11	ND	ND	ND	ND	ND	ND	ND	0.00E+00	1.62E-12	0.00E+00	1.35E-12	-6.31E-12
Human tox. non-cancer	CTUh	0.00E+00	4.77E-11	2.32E-09	2.37E-09	3.18E-09	2.54E-09	ND	ND	ND	ND	ND	ND	ND	0.00E+00	9.23E-11	0.00E+00	4.56E-10	-2.53E-10
SQP[7]	-	0.00E+00	7.42E-02	6.03E+01	6.04E+01	4.95E+00	2.21E+00	ND	ND	ND	ND	ND	ND	ND	0.00E+00	1.43E-01	0.00E+00	9.33E-01	-1.42E-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	3.56E+00	1.01E-03	4.10E+00	7.66E+00	6.73E-02	-6.70E+00	ND	ND	ND	ND	ND	ND	ND	0.00E+00	1.95E-03	0.00E+00	7.31E-04	1.10E-03
Renew. PER as material	MJ	2.46E+00	0.00E+00	7.14E+00	9.60E+00	0.00E+00	-7.14E+00	ND	ND	ND	ND	ND	ND	ND	0.00E+00	0.00E+00	0.00E+00	-2.46E+00	8.77E-02
Total use of renew. PER	MJ	6.02E+00	1.01E-03	1.12E+01	1.73E+01	6.73E-02	-1.38E+01	ND	ND	ND	ND	ND	ND	ND	0.00E+00	1.95E-03	0.00E+00	-2.46E+00	8.88E-02
Non-re. PER as energy	MJ	3.07E+01	7.37E-02	2.28E+00	3.31E+01	4.91E+00	1.62E+00	ND	ND	ND	ND	ND	ND	ND	0.00E+00	1.42E-01	0.00E+00	-4.18E+01	-8.06E-01
Non-re. PER as material	MJ	5.99E+01	0.00E+00	5.00E-01	6.04E+01	0.00E+00	4.34E+00	ND	ND	ND	ND	ND	ND	ND	0.00E+00	0.00E+00	0.00E+00	-6.47E+01	3.45E-01
Total use of non-re. PER	MJ	9.06E+01	7.37E-02	2.78E+00	9.35E+01	4.91E+00	5.96E+00	ND	ND	ND	ND	ND	ND	ND	0.00E+00	1.42E-01	0.00E+00	-1.06E+02	-4.60E-01
Secondary materials	kg	9.35E-02	3.14E-05	7.71E-02	1.71E-01	2.09E-03	5.38E-03	ND	ND	ND	ND	ND	ND	ND	0.00E+00	6.07E-05	0.00E+00	4.83E-05	8.39E-03
Renew. secondary fuels	MJ	0.00E+00	3.99E-07	2.12E-01	2.12E-01	2.65E-05	6.37E-03	ND	ND	ND	ND	ND	ND	ND	0.00E+00	7.70E-07	0.00E+00	1.26E-07	6.97E-06
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	1.48E-02	1.09E-05	4.49E-03	1.93E-02	7.26E-04	1.71E-04	ND	ND	ND	ND	ND	ND	ND	0.00E+00	2.11E-05	0.00E+00	7.43E-06	-2.88E-04

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	5.34E-05	1.25E-04	1.21E-02	1.23E-02	8.32E-03	2.52E-03	ND	ND	ND	ND	ND	ND	ND	0.00E+00	2.41E-04	0.00E+00	1.31E-04	-1.65E-03
Non-hazardous waste	kg	2.87E-01	2.31E-03	3.63E-01	6.52E-01	1.54E-01	9.82E-01	ND	ND	ND	ND	ND	ND	ND	0.00E+00	4.47E-03	0.00E+00	1.83E+00	-2.08E-01
Radioactive waste	kg	6.52E-04	1.57E-08	5.65E-06	6.58E-04	1.05E-06	2.83E-05	ND	ND	ND	ND	ND	ND	ND	0.00E+00	3.04E-08	0.00E+00	1.22E-08	-1.35E-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	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	6.04E-03	0.00E+00	0.00E+00	6.04E-03	0.00E+00	1.96E-01	ND	ND	ND	ND	ND	ND	ND	0.00E+00	0.00E+00	0.00E+00	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	9.59E-05	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	7.86E-01	ND	ND	ND	ND	ND	ND	ND	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	3.31E-01	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	4.55E-01	ND	ND	ND	ND	ND	ND	ND	0.00E+00	0.00E+00	0.00E+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	0.00E+00	5.05E-03	1.62E-01	1.67E-01	3.37E-01	7.19E-02	ND	ND	ND	ND	ND	ND	ND	0.00E+00	9.77E-03	0.00E+00	2.29E-01	-3.14E-02
Ozone depletion Pot.	kg $CFC_{-11}e$	0.00E+00	5.98E-11	3.26E-09	3.32E-09	3.99E-09	4.32E-10	ND	ND	ND	ND	ND	ND	ND	0.00E+00	1.16E-10	0.00E+00	1.06E-10	-8.26E-10
Acidification	kg SO_2e	0.00E+00	1.32E-05	7.63E-04	7.76E-04	8.81E-04	1.18E-04	ND	ND	ND	ND	ND	ND	ND	0.00E+00	2.56E-05	0.00E+00	5.64E-05	-1.19E-04
Eutrophication	kg PO_4^3e	0.00E+00	3.22E-06	5.71E-03	5.71E-03	2.15E-04	2.11E-04	ND	ND	ND	ND	ND	ND	ND	0.00E+00	6.23E-06	0.00E+00	1.36E-04	-3.59E-05
POCP (“smog”)	kg C_2H_4e	0.00E+00	1.18E-06	1.08E-04	1.09E-04	7.85E-05	1.48E-05	ND	ND	ND	ND	ND	ND	ND	0.00E+00	2.28E-06	0.00E+00	4.81E-05	-1.13E-05
ADP-elements	kg Sbe	0.00E+00	1.38E-08	9.53E-07	9.67E-07	9.21E-07	1.14E-07	ND	ND	ND	ND	ND	ND	ND	0.00E+00	2.67E-08	0.00E+00	3.11E-09	-1.65E-07
ADP-fossil	MJ	0.00E+00	7.27E-02	2.40E+00	2.47E+00	4.84E+00	4.36E-01	ND	ND	ND	ND	ND	ND	ND	0.00E+00	1.41E-01	0.00E+00	1.15E-01	-7.14E-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	1.75E+00	5.08E-03	1.62E-01	1.92E+00	3.39E-01	1.86E-01	ND	ND	ND	ND	ND	ND	ND	0.00E+00	9.82E-03	0.00E+00	2.42E-01	-3.19E-02

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.

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SCENARIO DOCUMENTATION

DATA SOURCES

Manufacturing energy scenario documentation

1. Electricity, medium voltage, residual mix, United Kingdom, Ecoinvent, 0.44 kgCO2e/kWh

Transport scenario documentation - A4 (Transport resources)

1. Market for transport, freight, lorry >32 metric ton, EURO5, 1639 km
2. Market for transport, freight, lorry >32 metric ton, EURO5, 266.25 km

Installation scenario documentation - A5 (Installation waste)

1. Treatment of waste polyethylene, for recycling, unsorted, sorting, Ecoinvent, Materials for recycling, 0.008 kg
2. Treatment of waste polyethylene, municipal incineration, Ecoinvent, 0.0074 kg
3. Exported Energy: Electricity, Ecoinvent, 0.05 MJ
4. Exported Energy: Electricity, Ecoinvent, 0.011 MJ
5. Exported Energy: Electricity, Ecoinvent, 0.27 MJ
6. Exported Energy: Thermal, Ecoinvent, 0.069 MJ
7. Exported Energy: Thermal, Ecoinvent, 0.016 MJ
8. Exported Energy: Thermal, Ecoinvent, 0.37 MJ
9. Treatment of waste polyethylene, sanitary landfill, Ecoinvent, 0.0046 kg
10. Treatment of waste paperboard, unsorted, sorting, Ecoinvent, Materials for recycling, 0.058 kg
11. Treatment of waste packaging paper, municipal incineration, Ecoinvent, 0.0056 kg
12. Treatment of waste packaging paper, sanitary landfill, Ecoinvent, 0.0063 kg
13. Treatment of waste wood, post-consumer, sorting and shredding, Ecoinvent, Materials for recycling, 0.13 kg
14. Treatment of waste wood, untreated, municipal incineration, Ecoinvent, 0.12 kg
15. Treatment of waste wood, untreated, sanitary landfill, Ecoinvent, 0.15 kg

End of life scenario documentation - C1-C4 (Data source)

1. Treatment of waste polyethylene terephthalate, unsanitary landfill, moist infiltration class (300mm), Ecoinvent, 1.8245 kg

Scenario information	Value
Scenario assumptions e.g. transportation	-

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

Elma Avdyli as an authorized verifier for EPD Hub

26.02.2026

ANNEX 1 – SCALING TABLE

TABLE 1

Product Name	Mass kg/m2	A1-A3, EN 15804+A2		
		GWP-total	GWP-fossil	GWP-biogenic
Visqueen Self Adhesive Membrane	1.65	1.18	1.92	-0.74
Visqueen Gas Resistant Self Adhesive Membrane/ Visqueen Fully Bonded Vapour Barrier	1.31	0.94	1.52	-0.05