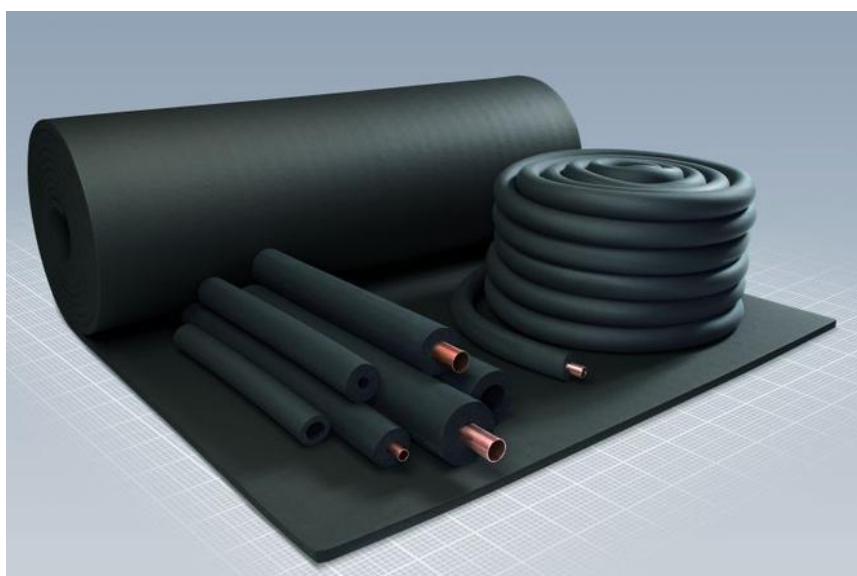




Issuance date: 06.03.2026
Validation date: 10.03.2026
Validity date: 06.03.2031

ArmaFlex ACE Plus

(The upgraded flexible insulation solution for improved fire safety)



Owner of the EPD:

Armacell Poland Sp.z o.o.
Address: Targowa 2, 55-300
Środa Śląska, Poland
Website: www.armacell.com
Contact: +48 71 317 29 99

EPD Program Operator:

Instytut Techniki Budowlanej (ITB)
Address: Filtrowa 1,
00-611 Warsaw, Poland
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ITB is the verified member of The European Platform for EPD program operators and LCA practitioner www.eco-platform.org

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, A4-A5, C1-C4 and D modules in accordance with EN 15804+A2
(Cradle-to-Gate with options)

Product standard: EN 14304:2009+A1:2013

The year of preparing the EPD: 2026

Product standard: requirements are defined in customer specifications

Service Life: 50 years

PCR: ITB-PCR A

Declared unit: 1 m³

Reasons for performing LCA: B2B

Representativeness: European, 2023

MANUFACTURER

Armacell International S.A. is owner of 26 manufacturing facilities and is specialized in production of technical insulation systems (ArmaFlex, Armafix, Tubolit), protective systems (Arma-Check), metallic protective systems (Okabell), acoustic insulation systems (ArmaSound and ArmaComfort), fire protection systems (ArmaProtect). Armacell International S.A. is a producer of flexible insulation foams for the equipment insulation market and a provider of engineered foams which operates two main businesses:



Fig.1. A view of factory in Środa Śląska (Poland)

- Advanced Insulation develops flexible foams for the insulation of technical equipment utilised for the transport of energy - such as heating, ventilation & air conditioning (HVAC) and heating & plumbing (H&P) in residential and commercial construction, process lines in the heavy- and oil & gas industry, equipment in transportation, as well as, acoustics.
- Engineered Foams develops high-performance foams for the use in a broad range of end markets including transportation, automotive, wind energy, sports and construction.

PRODUCTS DESCRIPTION

ArmaFlex ACE Plus products (covered by this EPD) is an insulation material developed on the basis of closed cell elastomeric foam. It acts as an excellent barrier against condensation due to its high coefficient of resistance to water vapour diffusion. Also, it effectively reduces energy losses from installations and fittings because of its very low thermal conductivity. Insulation/protection of pipes, air ducts, vessels (including elbows, fittings, flanges, etc.) of air-conditioning, refrigeration and process equipment to prevent condensation and save energy as well as insulation of pipes in sanitary and heating applications. The technical specification of the product is listed in Table 1. ArmaFlex ACE Plus insulation range includes tubes, rolls (standard and self-adhesive) and self-adhesive tape.

Production sites for ArmaFlex ACE Plus are:

- Armacell Poland Sp. z o.o. ul. Targowa 2, 55-300 Sroda Slaska, Poland
- Armacell GmbH Robert Bosh Strasse 10, 48161 Münster, Germany
- Armacell Iberia S.L. c Can Magi n° 1 Poligono Industrial Riera d'Esclanya, E-17213 Esclanya (Girona), Spain

Type III Environmental Product Declaration No. 927/2026

Table 1. Specification of the ArmaFlex ACE Plus products manufactured by Armacell

Brief description	Highly-flexible, closed-cell insulation material with high water vapour diffusion resistance and low thermal conductivity.			
Material type	Elastomeric foam based on synthetic rubber. Factory-made flexible elastomeric foam (FEF), according to EN 14304.			
Product colour range	Black			
Applications	Insulation/protection of pipes, air ducts, vessels (including elbows, fittings, flanges, etc.) of air-conditioning, refrigeration and process equipment to prevent condensation and save energy as well as insulation of pipes in sanitary and heating applications.			
Installation	Please refer to the ArmaFlex application manual for advice. For further information please contact our Customer Service Centre.			
Remarks	Declaration of Performance is available in accordance with Article 7(3) of Regulation (EU) No 305/2011 on our homepage: www.armacell.com/DoP			
Property	Value / Assessment		Standard / Test method	
Temperature range				
Service temperature	Min. °C ¹	Max. °C	EN 14706, EN 14707, EN 14304	
	-50	110		
	Remarks	+85 °C if sheet or tape is glued to the object with its whole surface +85 °C for tapes		
Thermal conductivity				
Declared thermal conductivity	Øm	0°C	40°C	EN ISO 13787, EN 12667, EN ISO 8497
	$\lambda_d \in [W/(m \cdot K)]$	0.035	0.040	
	Range	Tubes, \leq 25 mm, sheets and tapes		
	Formula	$\lambda = [35 + 0.1 \cdot \delta m + 0.0008 \cdot \delta m^2]/1000$		
Declared thermal conductivity	Øm	0°C	40°C	EN ISO 13787, EN 12667, EN ISO 8497
	$\lambda_d \in [W/(m \cdot K)]$	0.036	0.041	
	Range	Tubes $>$ 25 mm		
	Formula	$\lambda = [36 + 0.1 \cdot \delta m + 0.0008 \cdot \delta m^2]/1000$		
Fire Performance and Approvals				
Reaction to fire	Tubes: B(L)-s2, d0 Sheets and Tapes: B-s3,d0		EN 13501-1, EN 13823, EN ISO 11925-2	
Fire performance				
Practical fire behaviour	Self-extinguishing, does not drip, does not spread flames			
Resistance to water vapour				
Water vapour diffusion resistance factor	sheets δ -32 mm; tubes δ -25 mm; tape 3 mm: $\mu \geq$ 10,000 sheets $>$ 32 mm; tubes $>$ 25 mm: $\mu \geq$ 7,000		EN 12086, EN 13469	
Physical attributes				
Dimensions and tolerances	in accordance with EN 14304, table 1		EN 822, EN 823, EN 13467	
Weather and UV resistance				
UV resistance ²	Protection against UV-radiation is necessary. See TB 142			
Health and environment				
Volatile organic compounds (VOC) content	Fulfills all VOC requirements (French, Italian, Belgian, German AgBB, Blauer Engel and Eurofins Indoor Air Comfort GOLD).		ISO 16000 Parts 3, 6 & 9	
Antimicrobial behaviour	antimicrobial insulation, resistance against mould and bacteria in accordance with ISO 846			
Green building assessment	Meets the sustainable construction requirements for LEED v4.1, BREEAM international and DGNB.			
Additional features	SCCP, MDCP-free			

LIFE CYCLE ASSESSMENT (LCA) – general rules applied

Unit

The declared unit is 1 m³ of ArmaFlex ACE Plus products manufactured in: Środa Śląska (Poland), Münster (Germany) and Girona (Spain).

Note: For ArmaFlex ACE Plus product average density of 60 kg/m³ was used for assessment.

System boundary

The life cycle analysis of the declared products covers “Product Stage” A1-A3, A4-A5, C1-C4+D modules in accordance with EN 15804+A2 and ITB PCR A v.1.6 (cradle to gate with options). Energy and water consumption, emissions as well as information on generated wastes were inventoried in each production site and were included in the calculation. 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.

Allocation

The allocation rules used for this EPD are based on general ITB’s document PCR A. Production of the ArmaFlex ACE Plus based products is a direct process (as presented in Figure 2) conducted in the 3 manufacturing plants located in Poland, Germany and Spain. Input and output data from the production was inventoried and allocated to the production on the mass basis. The declaration covers a range of products. Their production resources and processing stages are basically similar, so it is possible to average the production by product weight.

System limits

Minimum 99.0% input materials and 100% energy consumption (electricity, gas, other) were inventoried in a processing plant and were included in the calculation. In the assessment, all significant parameters from gathered production data are considered, i.e. all material used per formulation, utilized thermal energy, and electric power consumption, direct production waste and available emission measurements. Tires consumption for transport was not considered. Substances with a percentage share of less than 0.1% of total mass were excluded from the calculations. The packaging products (wooden pallets, paper, foils) are included.

Modules A1 and A2: Raw materials supply and transport

The modules A1 and A2 represent the extraction and processing of raw materials (mainly rubber and polymers, vulcanisation and plasticisers, blowing agent, flame retardants and fillers) and transport to the production sites. Means of transport include trucks with load: <10 t, 10–16 t and >16 t. For calculation purposes European fuel averages were applied.

Module A3: Production

The production of is a process performed by four automated production lines in European factories. Raw material rubber mix, fillers and additives are weighed, mixed and then extruded with the addition of a blowing agent (ADCA). Next step is vulcanization process and after cooling and cutting, product is being packed and transferred for seasoning. Afterwards ready-to-use product is prepared for transport to customers. The production scheme of production is shown in Fig. 2 The production process is depicted schematically as can be seen below, the production process is waste-free. All waste returns to the production cycle.

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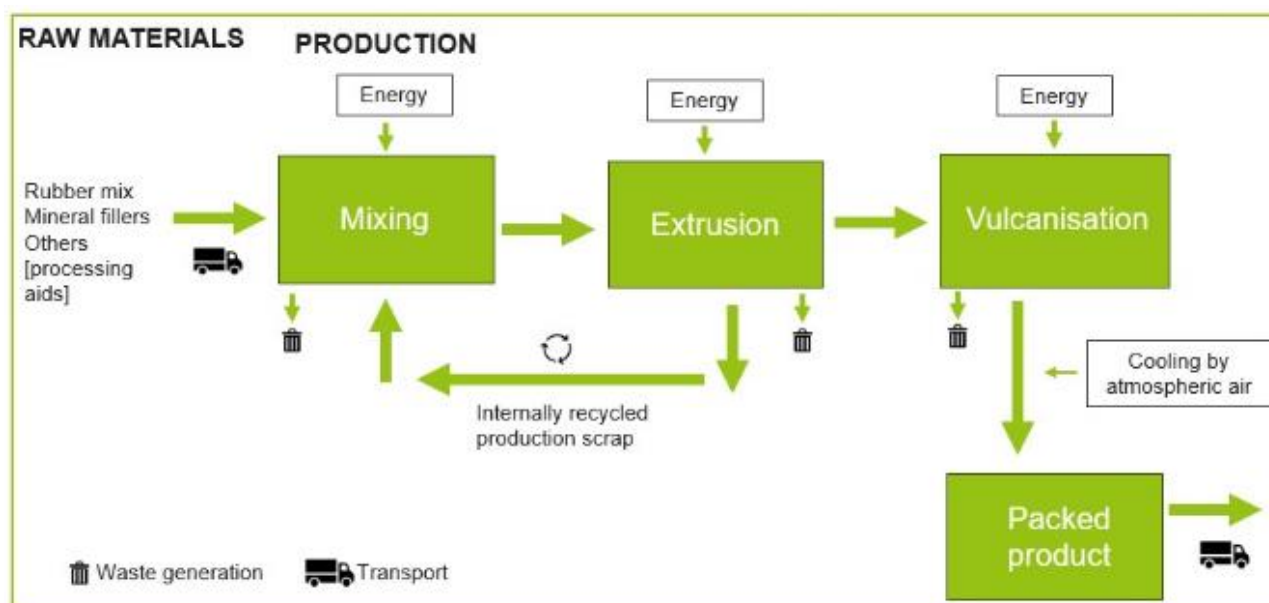


Fig. 1 Manufacturing process scheme (A3)

A4: Transport to construction site

The ArmaFlex ACE Plus are delivered to local as well as foreign construction sites. An average distance of 750 km from the factory gate to a construction site is assumed. Means of transport include 24 t loaded lorry with 100% capacity utilization and fuel consumption of 35 l per 100 km.

A5: Installation process

Considered environmental burdens are associated with the use of ancillary materials such as a cleaning agent, an adhesive and hand tools recommended by Producer (see the producer's manual). Generation of off-cuts amounting to 1% of the product is assumed.

C1-C4 and D Modules: End-of-life scenario

At the end-of-life the ArmaFlex ACE Plus products are deconstructed with the use of electrical tools. It is assumed that 98% of the product is recovered, of which 30% undergo recycling, 30% is subjected to waste incineration (with energy recovery), while the remaining material is forwarded to landfill in the form of mixed construction and demolition waste. In module C2 transport distance of 75 km on 16 t loaded lorry with 100% capacity utilization and fuel consumption of 25 l per 100 km is considered. Environmental burdens declared in module C4 are associated with waste-specific emissions to air and groundwater via landfill gas incineration and landfill leachate. Benefits resulting from the recycling of the ArmaFlex ACE Plus foam and thermal energy production (alternative for fuel oil) are included in module D.

Table 2. End-of-life scenario for the ArmaFlex ACE Plus products

Material	Material recovery	Recycling	Energy recovery	Landfilling
ArmaFlex ACE Plus	98%	30%	30%	40%

Data collection period

The data for manufacture of the declared products refer to period between 01.01.2023 – 31.12.2023 (1 year). The life cycle assessments were prepared for Poland and Europe as reference area.

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Data quality

The data selected for LCA originate from ITB-LCI questionnaires completed by Armacell S.A. (of each manufacturing plant) and verified during input data audit. No 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. The background data for the processes come from the following resources database Ecoinvent v.3.11.

Assumptions and estimates

The impacts of the representative products were aggregated using average.

Calculation rules

LCA was performed using MS excel tool developed in accordance with EN15804+A2 and with the EF 3.1. method. No mass balance approach was used. The biogenic C content in product is less than 5%.

Additional information

Polish electricity (Ecoinvent v 3.11, mix, supplemented by actual national KOBiZE data) emission factor used is 0.597 kg CO₂/kWh. German electricity (Ecoinvent v 3.11) emission factor for electricity production used is 0.470 kg CO₂/kWh. Spanish electricity mix (Ecoinvent v 3.11) emission factor is 0.198 kg CO₂/kWh.

As a general rule, no particular environmental or health protection measures other than those specified by law are necessary.

LIFE CYCLE ASSESSMENT (LCA) – Results

Declared unit

The declaration refers to declared unit (DU) – 1 m³ of specific products produced in 3 factories in Europe. The following life cycle modules (Table 3) were included in the analysis. The following Tables 4-7 show the environmental impacts of the life cycle of selected modules (A1-A5+C1-C4+D) for ArmaFlex ACE Plus products.

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	MD	MD	MND	MND	MND	MND	MND	MND	MND	MD	MD	MD	MD	MD

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Table 4 Life cycle assessment (LCA) results for product – environmental impacts (DU: 1 m³)

Indicator	Unit	A1	A2	A3	A1-A3	A4	A5	C1	C2	C3	C4	D
Global Warming Potential	eq. kg CO ₂	1.62E+02	8.41E+00	5.28E+01	2.23E+02	7.51E+00	4.11E-01	1.64E-01	5.01E-01	4.40E+01	2.37E+00	-1.98E+01
Greenhouse potential - fossil	eq. kg CO ₂	1.61E+02	8.41E+00	5.09E+01	2.21E+02	7.48E+00	4.11E-01	1.64E-01	4.99E-01	3.51E+01	2.37E+00	-1.96E+01
Greenhouse potential - biogenic	eq. kg CO ₂	-7.68E+00	4.34E-03	1.78E+00	-5.90E+00	2.56E-02	1.11E-03	4.43E-04	1.70E-03	8.86E+00	1.69E-03	-1.18E+00
Global warming potential - land use and land use change	eq. kg CO ₂	1.92E-01	2.98E-03	8.74E-02	2.82E-01	2.94E-03	6.43E-05	2.57E-05	1.96E-04	1.14E-02	1.27E-04	-1.18E-02
Stratospheric ozone depletion potential	eq. kg CFC 11	4.92E-06	1.61E-07	1.82E-06	6.90E-06	1.73E-06	2.26E-09	9.04E-10	1.15E-07	4.68E+01	5.72E-09	-3.97E-07
Soil and water acidification potential	eq. mol H+	9.31E-01	5.66E-02	2.02E-01	1.19E+00	3.04E-02	4.35E-03	1.74E-03	2.02E-03	6.12E-01	1.58E-03	-5.79E-02
Eutrophication potential - freshwater	eq. kg P	5.78E-02	5.20E-04	4.10E-02	9.93E-02	5.03E-04	7.09E-04	2.83E-04	3.35E-05	3.37E-03	2.36E-05	-3.57E-03
Eutrophication potential - seawater	eq. kg N	5.35E-01	1.61E-02	3.41E-02	5.85E-01	9.16E-03	6.16E-04	2.46E-04	6.11E-04	4.05E-01	5.24E-03	-1.33E-02
Eutrophication potential - terrestrial	eq. mol N	1.46E+00	1.77E-01	2.82E-01	1.92E+00	1.00E-01	5.37E-03	2.15E-03	6.66E-03	3.43E+00	6.43E-03	-1.24E-01
Potential for photochemical ozone synthesis	eq. kg NMVOC	6.36E-01	6.10E-02	9.82E-02	7.96E-01	3.06E-02	1.54E-03	6.18E-04	2.04E-03	8.25E-01	2.79E-03	-3.49E-02
Potential for depletion of abiotic resources - non-fossil resources	eq. kg Sb	2.47E-03	2.48E-05	3.80E-05	2.53E-03	2.65E-05	1.55E-07	6.20E-08	1.77E-06	5.96E-05	4.99E-07	-6.22E-05
Abiotic depletion potential - fossil fuels	MJ	3.15E+03	1.16E+02	9.94E+02	4.26E+03	1.11E+02	6.49E+00	2.60E+00	7.40E+00	1.10E+02	4.93E+00	-2.86E+02
Water deprivation potential	eq. m ³	1.03E+02	5.31E-01	1.02E+01	1.13E+02	5.13E-01	1.24E-01	4.96E-02	3.42E-02	2.74E+00	2.34E-02	-2.62E+00

Table 5 Life cycle assessment (LCA) results for specific product– additional impacts indicators (DU: 1 m³)

Indicator	Unit	A1-A3	A4-A5	C1-C4	D
Particulate matter	disease incidence	INA	INA	INA	INA
Potential human exposure efficiency relative to U235	eg. kBq U235	INA	INA	INA	INA
Potential comparative toxic unit for ecosystems	CTUe	INA	INA	INA	INA
Potential comparative toxic unit for humans (cancer effects)	CTUh	INA	INA	INA	INA
Potential comparative toxic unit for humans (non-cancer effects)	CTUh	INA	INA	INA	INA
Potential soil quality index	dimensionless	INA	INA	INA	INA

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Table 6 Life cycle assessment (LCA) results for product - the resource use (DU: 1 m³)

Indicator	Unit	A1	A2	A3	A1-A3	A4	A5	C1	C2	C3	C4	D
Consumption of renewable primary energy - excluding renewable primary energy sources used as raw materials	MJ	2.55E+02	1.83E+00	1.15E+02	3.72E+02	1.59E+00	5.34E-01	2.13E-01	1.06E-01	2.15E+01	7.39E-02	-2.23E+01
Consumption of renewable primary energy resources used as raw materials	MJ	6.49E+01	0.00E+00	0.00E+00	6.49E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Total consumption of renewable primary energy resources	MJ	3.20E+02	1.83E+00	1.15E+02	4.37E+02	1.59E+00	5.34E-01	2.13E-01	1.06E-01	2.15E+01	7.39E-02	-2.23E+01
Consumption of non-renewable primary energy - excluding renewable primary energy sources used as raw materials	MJ	2.31E+03	1.16E+02	5.98E+02	3.02E+03	1.11E+02	6.49E+00	2.60E+00	7.40E+00	7.14E+02	-7.71E+02	-1.02E+03
Consumption of non-renewable primary energy resources used as raw materials	MJ	8.57E+02	0.00E+00	3.96E+02	1.25E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E+03	7.75E+02	-7.35E+02
Total consumption of non-renewable primary energy resources	MJ	3.16E+03	1.16E+02	9.94E+02	4.27E+03	1.11E+02	6.49E+00	2.60E+00	7.40E+00	1.10E+02	4.93E+00	-2.86E+02
Consumption of secondary materials	kg	1.54E+00	5.33E-02	1.06E-01	1.70E+00	3.72E-02	5.64E-04	2.26E-04	2.48E-03	2.10E+01	1.78E-03	-2.10E+01
Consumption of renew. secondary fuels	MJ	9.14E-01	6.03E-04	4.10E-04	9.15E-01	4.10E-04	2.85E-06	1.14E-06	2.73E-05	2.23E-05	3.34E-05	-6.22E-05
Consumption of non-renewable secondary fuels	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	7.26E-04	0.00E+00	-7.26E-04
Net consumption of freshwater	m ³	2.48E+00	1.45E-02	2.74E-01	2.77E+00	1.40E-02	1.86E-02	7.45E-03	9.31E-04	7.42E-02	-7.32E-02	-7.69E-02

Table 7 Life cycle assessment (LCA) results for product – waste categories (DU: 1 m³)

Indicator	Unit	A1	A2	A3	A1-A3	A4	A5	C1	C2	C3	C4	D
Hazardous waste	kg	1.43E+01	1.65E-01	2.71E+00	1.71E+01	1.25E-01	5.03E-02	2.01E-02	8.31E-03	3.13E-01	8.71E-03	3.40E-01
Non-hazardous waste	kg	5.71E+02	3.35E+00	2.01E+02	7.75E+02	2.21E+00	3.39E+00	1.36E+00	1.47E-01	2.73E+01	9.84E+01	2.76E+01
Radioactive waste	kg	3.51E-03	3.40E-05	2.02E-03	5.57E-03	8.29E-06	9.74E-07	3.90E-07	5.53E-07	4.41E-04	1.22E-06	4.47E-04
Components for re-use	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	0.00E+00	0.00E+00	0.00E+00
Materials for recycling	kg	1.16E-01	2.46E-03	3.96E-02	1.58E-01	3.44E-04	4.36E-05	1.74E-05	2.29E-05	1.66E-02	8.33E-05	1.70E-02
Materials for energy recovery	kg	2.34E-04	6.72E-06	9.70E-06	2.51E-04	2.78E-06	7.00E-08	2.80E-08	1.85E-07	3.76E-06	3.40E-07	4.76E-06
Exported Energy	MJ	9.02E+00	4.35E-02	1.58E-01	9.22E+00	0.00E+00	2.08E-02	8.30E-03	0.00E+00	4.04E+00	1.04E-03	3.51E-01

Type III Environmental Product Declaration No. 927/2027

Verification

The process of verification of this EPD is in accordance with ISO 14025. After verification, this EPD is valid for a 5-year-period. EPD does not have to be recalculated after 5 years, if the underlying data have not changed significantly.

The basis for LCA analysis was EN 15804+A2 and ITB PCR A
Independent verification corresponding to ISO 14025 (sub clause 8.1.3.) <input checked="" type="checkbox"/> external <input type="checkbox"/> internal
External verification of EPD: Halina Prejzner, PhD. eng. LCI audit and verification: Michał Chwedaczuk, M.Sc. eng. LCA, LCI audit and input data verification: Michał Piasecki, PhD., D.Sc., eng.

Note 1: The declaration owner has the sole ownership, liability, and responsibility for the information provided and contained in EPD. Declarations of construction products may not be comparable if they do not comply with EN 15804+A2. For further information about comparability, see EN 15804+A2 and ISO 14025.

Note 2: ITB is a public Research Organization and Notified Body (EC Reg. no 1488) to the European Commission and to other Member States of the European Union designated for the tasks concerning the assessment of building products' performance. ITB acts as the independent, third-party verification organization (ISO 17025/17065/17029). ITB-EPD program is recognized and registered member of The European Platform - Association of EPD program operators and ITB-EPD declarations are registered and stored in the international ECO-PORTAL.

Normative references

- ITB PCR A General Product Category Rules for Construction Products
- EN 14304:2009+A1:2013 Thermal insulation products for building equipment and industrial installations - Factory made flexible elastomeric foam (FEF) products - Specification
- ISO 14025, 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
- EN 15804:2012+A2:2019 Sustainability of construction works – Environmental product declarations – Core rules for the product category of construction products
- ISO 14067:2018 Greenhouse gases — Carbon footprint of products — Requirements and guidelines for quantification
- PN-EN 15942:2012 Sustainability of construction works – Environmental product declarations – Communication format business-to-business
- KOBiZE Wskaźniki emisyjności CO₂, SO₂, NO_x, CO i pyłu całkowitego dla energii elektrycznej. December 2024
- <https://ecoinvent.org/>

LCA, LCI audit and input data verification
Michał Piasecki, PhD. D.Sc. C.E. Eng.
/Qualified electronic signature/

Head of Thermal Physic, Acoustic and Environment Department
Agnieszka Winkler-Skalna, PhD. C.E. Eng.
/Qualified electronic signature/



Instytut Techniki Budowlanej

00-611 Warsaw, Filtrów 1

Thermal Physics, Acoustics and Environment Department

02-656 Warsaw, Ksawerów 21

CERTIFICATE No 927/2026 of TYPE III ENVIRONMENTAL DECLARATION

Products:

ArmaFlex ACE Plus

Manufacturer:

Armacell Poland Sp. z o.o.

Targowa 2, 55-300 Środa Śląska, Poland

confirms the correctness of the data included in the development of
Type III Environmental Declaration and accordance with the requirements of the standard

EN 15804+A2

Sustainability of construction works.

Environmental product declarations.

Core rules for the product category of construction products.

This certificate, issued on 6th March 2026 is valid for 5 years
or until amendment of mentioned Environmental Declaration

Head of the Thermal Physic, Acoustics
and Environment Department

Agnieszka Winkler-Skalna, PhD



Deputy Director
for Research and Innovation

Krzysztof Kuczyński, PhD

Warsaw, March 2026