

CLIMATE DECLARATION FOR PVC MEMBRANE

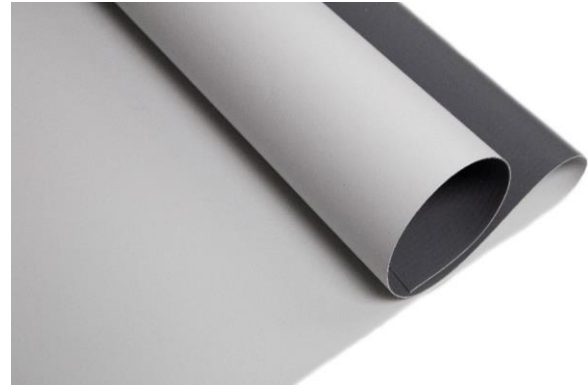
Declared unit: 1 m² of PVC membrane

The climate declaration shows the emissions of greenhouse gases, expressed as CO₂-equivalents. It is based on verified results from a lifecycle assessment (LCA) performed as basis for an EPD®, in accordance with ISO 14025 and EN 15804

Information about the product

PLASTFOIL® PVC membrane is a durable and reliable waterproofing material, which is made on the basis of high-quality elastic polyvinyl chloride (PVC). PVC membrane is used for waterproofing roofs and foundations; waterproofing of underground structures, including tunnels; as a covering layer of pipelines and an impervious layer of ponds.

PLASTFOIL® PVC membrane is made with reinforcement and without reinforcement. The surface of the PVC membrane can be embossed and smooth. The main colors of the front side of the PVC membrane: RAL 7035; RAL 9001; RAL 1016.



Information about the company

LLC "PENOPLEX SPb" is one of the largest manufacturers of building materials in Europe. To date, the company has 13 factories, one of which produces high-quality PVC membrane PLASTFOIL®. For more than 20 years, the company has been producing high-quality construction and decorative finishing materials. The company's portfolio contains materials that can fully provide technical solutions for various structures of buildings and structures. Throughout its history, the company has received more than 10 patents for inventions in the construction field and modernization of the production process. Today the company employs more than 1000 people who contribute to the development of the company daily. The company is a responsible manufacturer that annually undergoes audits according to the ISO 9001 quality management system.

Comprehensive tests and certificates of different European technical institutes confirm the quality of PLASTFOIL® products.

Climate declaration

The table below shows the carbon footprint of the product, calculated as carbon dioxide equivalents (kg CO₂ eq.) for 1 m² of PVC membrane.

	REINFORCED PVC MEMBRANE PLASTFOIL (CLASSIC, ECO, POLAR, LAY)								
	A1	A2	A3	A4	A5	C1	C2	C3	C4
GWP-fossil	3,51E+00	4,44E-01	1.03E+00	3.85E-01	6.83E-02	0.00E+00	1.34E-02	0.00E+00	4.67E-03
GWP-biogenic	2,62E-02	4,00E-04	1.10E-04	5.10E-04	1.83E-07	0.00E+00	1.21E-05	0.00E+00	1.96E-06
GWP-luluc	2,66E-03	1,70E-04	2.45E-03	1.70E-04	4.14E-05	0.00E+00	5.22E-06	0.00E+00	4.85E-07
GWP Total	3,54E+00	4,43E-01	1.02E+00	3.84E-01	6.83E-02	0.00E+00	1.33E-02	0.00E+00	4.67E-03

UNREINFORCED PVC MEMBRANE PLASTFOIL ART

EPD PROGRAMME: THE INTERNATIONAL EPD® SYSTEM		REGISTRATION NO: S-P-07626	VALIDITY: 2027-01-24
PCR 2019:14 (1.1)	UN CPC: 369	PCR REVIEW CONDUCTED BY: THE TECHNICAL COMMITTEE OF THE INTERNATIONAL EPD SYSTEM	
INDEPENDENT VERIFICATION OF THE DECLARATION AND DATA, ACCORDING TO ISO 14025: EXTERNAL VERIFIER: INDEPENDENT VERIFIER MARCEL GOMEZ FERRER		ACCREDITED / APPROVED BY: THE INTERNATIONAL EPD SYSTEM	
CLIMATE DECLARATIONS FROM DIFFERENT PROGRAMS MAY NOT BE COMPARABLE			
THIS CLIMATE DECLARATION ONLY ADDRESSES ONE IMPACT CATEGORY AND DOES NOT ASSESS OTHER POTENTIAL SOCIAL, ECONOMIC AND ENVIRONMENTAL IMPACTS ARISING FROM THE PROVISION OF THIS PRODUCT. THESE ASPECTS MAY BE OF EQUAL OR GREATER IMPORTANCE THAN THE IMPACT CATEGORY DISPLAYED			

CLIMATE DECLARATION FOR PVC MEMBRANE

Declared unit: 1 m² of PVC membrane

The climate declaration shows the emissions of greenhouse gases, expressed as CO₂-equivalents. It is based on verified results from a lifecycle assessment (LCA) performed as basis for an EPD®, in accordance with ISO 14025 and EN 15804

	A1	A2	A3	A4	A5	C1	C2	C3	C4
GWP-fossil	3,42E+00	4,45E-01	1.03E+00	4.54E-01	6.83E-02	0.00E+00	1.31E-02	0.00E+00	4.28E-03
GWP-biogenic	2,44E-02	4,00E-04	8.14E-05	5.70E-04	1.83E-07	0.00E+00	1.19E-05	0.00E+00	1.80E-06
GWP-luluc	1,99E-03	1,70E-04	2.46E-03	2.00E-04	4.14E-05	0.00E+00	5.14E-06	0.00E+00	4.45E-07
GWP Total	3,44E+00	4,45E-01	1.03E+00	4.54E-01	6.84E-02	0.00E+00	1.31E-02	0.00E+00	4.28E-03

	UNREINFORCED PVC MEMBRANE PLASTFOIL GEO								
	A1	A2	A3	A4	A5	C1	C2	C3	C4
GWP-fossil	2,93E+00	4,27E-01	1.03E+00	3,72E-01	123456	0.00E+00	1.27E-02	0.00E+00	4.14E-03
GWP-biogenic	2,15E-02	3,90E-04	8.14E-05	4,90E-04	1.83E-07	0.00E+00	1.15E-05	0.00E+00	1.74E-06
GWP-luluc	1,89E-03	1,70E-04	2.46E-03	1,70E-04	4.14E-05	0.00E+00	4.98E-06	0.00E+00	4.30E-07
GWP Total	2,96E+00	4,27E-01	1.03E+00	3,72E-01	6.25E-02	0.00E+00	1.27E-02	0.00E+00	4.15E-03

Other environmental impacts

For the full EPD, see
www.environdec.com and
www.epdrussia.org.

Contact information

www.plastfoil.com
plastfoil@plastfoil.com

EPD PROGRAMME: THE INTERNATIONAL EPD® SYSTEM		REGISTRATION NO: S-P-07626	VALIDITY: 2027-01-24
PCR 2019:14 (1.1)	UN CPC: 369	PCR REVIEW CONDUCTED BY: THE TECHNICAL COMMITTEE OF THE INTERNATIONAL EPD SYSTEM	
INDEPENDENT VERIFICATION OF THE DECLARATION AND DATA, ACCORDING TO ISO 14025: EXTERNAL VERIFIER: INDEPENDENT VERIFIER MARCEL GOMEZ FERRER		ACCREDITED / APPROVED BY: THE INTERNATIONAL EPD SYSTEM	
CLIMATE DECLARATIONS FROM DIFFERENT PROGRAMS MAY NOT BE COMPARABLE			
THIS CLIMATE DECLARATION ONLY ADDRESSES ONE IMPACT CATEGORY AND DOES NOT ASSESS OTHER POTENTIAL SOCIAL, ECONOMIC AND ENVIRONMENTAL IMPACTS ARISING FROM THE PROVISION OF THIS PRODUCT. THESE ASPECTS MAY BE OF EQUAL OR GREATER IMPORTANCE THAN THE IMPACT CATEGORY DISPLAYED			