

PVC Membrane **PLASTFOIL**[®]

**Roofing and underground
waterproofing**

PENOPLEX SPb Limited
2017

RELIABLE QUALITY

The PENOPLEX company is a large Russian manufacturer of construction, decorative and finishing materials on polymers basis. The company began its activity in 1998. The structure of PENOPLEX SPb Limited includes divisions which are engaged in production and sale in different directions: **PENOPLEX®** - heat-insulating materials, **STYROVIT®** - polystyrene for general-purpose, **PLINTEX®** - decorative and finishing materials made of polystyrene, **PLASTFOIL®** – waterproofing materials.



RELIABLE QUALITY



Production plants of the company are equipped with the most advanced equipment made by the leading global manufacturers and modern laboratories where each consignment of materials is tested.



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Types of material: PVC membrane

Reinforced



PLASTFOIL® ECO
PLASTFOIL® CLASSIC
PLASTFOIL® POLAR
(roof waterproofing)



PLASTFOIL® LAY
(grained surface)

Unreinforced



PLASTFOIL® ART
(connections, flashing and etc.)



PLASTFOIL® GEO
(underground waterproofing)

* Can be in different colors by RAL

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TECHNICAL FEATURES

Features	Plastfoil® Classic, Polar, Eco, Lay		Plastfoil® Art	Plastfoil® Geo
Thickness, mm	1,2	1,5 / 1,8	1,5	1,5 / 2,0
Width, mm	2,100	2,100	2,000	2,000
Length, mm	25,000	20,000	10,000	20,000
Weight of 1 sq. m, kg	1,56	1,94 / 2,05	1,94	2,05 / 2,55
Nominal strength, MPa, min with thickness of 1,2 mm with thickness of 1,5 mm with thickness of 2,0 mm	14,0 13,0 -	- 12,0 -	- 12,0 -	- - 17,0
Radius of curvature with rounded radius 5 mm, at a temperature °C	From -40 to -55		-55	-45
Resistance to water under a pressure of minimum 0,001 Mpa during 72 hours min and at 0,2 Mpa during 2 hours min	Impervious to water			

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Waterproofing PVC-membranes **PLASTFOIL®** could be applied on different objects: residential accommodations as well as industrial objects. Moreover, our membranes are characterized by high speed of installation.



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Polymer waterproofing **PLASTFOIL®** helps to protect the foundation from the damaging effects of groundwater and rainwater. Reliable, durable polymer waterproofing **PLASTFOIL®** is actively used in the construction of tunnels, underground stations lobbies, parkings, swimming pools etc.



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Our advantages

Warranty: **till 15 years**
Real life time: **more 30 years**

Length: **till 25 m** Width: **2,0 – 2,1 m**



1,5-2,7 kg/m²



1000 sqm/8 hours



Frost-resistance
-40° to -55°



UV protection
No less than 5000 hours



Certificates **CE, Broof T1, T2, T3**

- Long life time
- Big roll square till 52,5 m²
- Little weight
- High speed of installation
- High flexibility
- Not need any protection layers
- Fire resistance

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Characteristics of our material



Installation without fire

- **For constructions with high fire resistance**



All weather

- **Installation in all weather**



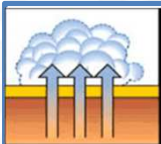
Ecology

- **Safety for environment**



Bio control

- **Control in laboratory**
- **Easy permeability of water steam**



Water vapor permeability

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Products of PLASTFOIL® are supplied to different countries: Bulgaria, Poland, Czech Republic, Ukraine, Belarus and others.

Our EU Certificates

Broof

PAVUS, s.s.
Technický ústav stavební Praha, s.p.
Technical and Test Institute for Construction Prague
Prague 10, Czech Republic
Address: PAVUS, s.s., Technický ústav stavební Praha, s.p., Technický ústav stavební Praha, s.p., Technický ústav stavební Praha, s.p.
Phone: +420 224 111 111
Fax: +420 224 111 111
E-mail: pavus@pavus.cz

CLASSIFICATION REPORT ON ROOFS EXPOSED TO EXTERNAL FIRE

Subject of classification: Roofs and roof covering according to CSN EN 13501-1+A1: 2010, art. 8.3 and 9

Identification number: **PKS-03-14-006-E-0**

Name and type of element: Waterproof membrane PLASTFOIL® F, thickness of 1.1 and 1.7 mm

Specimen: Technický ústav stavební Praha, s.p., Branch Czech Republic, Technický ústav stavební Praha, s.p., Czech Republic

For company: PENOPLEX SPb, Ltd., 1-A Sapsary per., St. Petersburg, Russia

Issuing organization: PAVUS, s.s., Technický ústav stavební Praha, s.p., Technický ústav stavební Praha, s.p., Technický ústav stavební Praha, s.p.
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Certificate of conformity of the factory production control

TECHNICKÝ A ZKUSÉBNÍ ÚSTAV STAVEBNÍ PRAHA, s.p.
Technical and Test Institute for Construction Prague
Prague 10, Czech Republic
Address: Technický ústav stavební Praha, s.p., Technický ústav stavební Praha, s.p., Technický ústav stavební Praha, s.p.
Phone: +420 224 111 111
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E-mail: pavus@pavus.cz

Notified Body 1020

CERTIFICATE OF CONFORMITY OF THE FACTORY PRODUCTION CONTROL
No. 1020 – CPR – 020029890

In compliance with Regulation 305/2011(EU) of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction product:

Waterproofing foil ПЛАСТФОИЛ® (PLASTFOIL®)
waterproofing sheets in rolls, polymer plastic PVC-based, of brand PLASTFOIL® Classic, PLASTFOIL® Eco, PLASTFOIL® Lay, PLASTFOIL® Polar, PLASTFOIL® Air for roof waterproofing

produced by: ООО «Пеноплекс СПб» (PENOPLEX SPb, Ltd.)
Petrozavodsk Region (Russian Federation)
191014, r. Saint-Petersburg (St. Petersburg)
Campusul neproizvod, zone 1, rampa 4-10 (1-A Sapsary per.)
SPb (Comp. Reg. No.) 782313360

and produced in the manufacturing plant (PENOPLEX SPb, Ltd. Branch):
г. Керчь (Kerch)
187110, Республика Крым, г. Керчь, ул. Героев, 34
Russian Federation

This certificate attests that all provisions concerning the assessment and verification of consistency of performance described in Annex ZA of the standard

EN 13956:2012
under system 2+ for the performance set out in this certificate are applied and that the factory production control fulfills all the prescribed requirements for these performances.

This certificate was first issued on 12th August 2013 and will remain valid as long as the test methods and/or factory production control requirements included in the harmonized standard, used to assess the performance of the declared essential characteristics, do not change, and the construction product, and the manufacturing conditions in the plant are not modified significantly, unless suspended or withdrawn by the factory production control certification body.

The stamp of the Notified Body 1020
Ing. Milan Pálek
Deputy Manager of the Notified Body
Czech Republic, 31st July 2016

TECHNICKÝ A ZKUSÉBNÍ ÚSTAV STAVEBNÍ PRAHA, s.p.
Technical and Test Institute for Construction Prague
Prague 10, Czech Republic
Address: Technický ústav stavební Praha, s.p., Technický ústav stavební Praha, s.p., Technický ústav stavební Praha, s.p.
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Notified Body 1020

CERTIFICATE OF CONFORMITY OF THE FACTORY PRODUCTION CONTROL
No. 1020 – CPR – 020033817

In compliance with Regulation 305/2011(EU) of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction product:

Waterproofing sheets ПЛАСТФОИЛ® (PLASTFOIL®)
waterproofing sheets in rolls, polymer plastic PVC-based, brand PLASTFOIL® Geo for waterproof isolation of buildings against dampness and for use as basement tanking sheets

produced by: ООО «Пеноплекс СПб» (PENOPLEX SPb, Ltd.)
Petrozavodsk Region (Russian Federation)
191014, r. Saint-Petersburg (St. Petersburg)
Campusul neproizvod, zone 1, rampa 4-10 (1-A Sapsary per.)
SPb (Comp. Reg. No.) 782313360

and produced in the manufacturing plant (PENOPLEX SPb, Ltd. Branch):
г. Керчь (Kerch)
187110, Республика Крым, г. Керчь, ул. Героев, 34
Russian Federation

This certificate attests that all provisions concerning the assessment and verification of consistency of performance described in Annex ZA of the standard

EN 13967:2012
under system 2+ for the performance set out in this certificate are applied and that the factory production control fulfills all the prescribed requirements for these performances.

This certificate was first issued on 31st August 2015 and will remain valid as long as the test methods and/or factory production control requirements included in the harmonized standard, used to assess the performance of the declared essential characteristics, do not change, and the construction product, and the manufacturing conditions in the plant are not modified significantly, unless suspended or withdrawn by the factory production control certification body.

The stamp of the Notified Body 1020
Ing. Milan Pálek
Deputy Manager of the Notified Body
Czech Republic, 31st July 2016

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Thank you for attention!

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