



**DECLARATION OF PERFORMANCE**  
**No. 3/2017/CPR/PF**

1. Unique identification code of the product-type: **PLASTFOIL**<sup>®</sup>
2. Identification of the construction product in accordance to article 11(4):  
**PLASTFOIL**<sup>®</sup>Geo
3. Intended use of the construction product:  
**PVC-membrane for waterproofing against ground water**
4. Name, registered trade name or registered trade mark and contact address of the manufacturer in accordance to article 11(5):  
**PENOPLEX SPb, Ltd. Branch in Kirishi, sil. Enthusiastov 36, 187110, Kirishi, Leningrad Region, Russian Federation.**
5. Authorized representative: Not concerned (See 4.)
6. System of assessment and verification of constancy of performance of the construction product as given in annex V:  
**System 2+**
7. In case of the construction product covered by a harmonized standard:  
**EN 13967:2012**

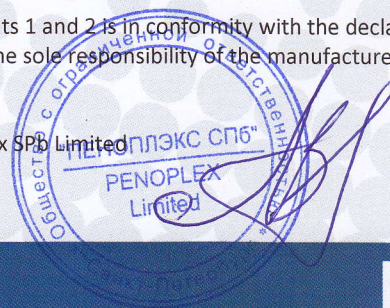
**Technical and Test Institute for Construction Prague (Notified Body No. 1020 according to the CPR) performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control, and issued the certificate of conformity of the factory production control No 1020-CPR-020033817.**

8. Construction Product covered by a European Technical Assessment: Not concerned
9. Declared performance:

Essential characteristics	Test method	Unit	Plastfoil <sup>®</sup> Geo 1.5	Plastfoil <sup>®</sup> Geo 2.0
Watertightness	EN 1928 (B)		Pass	Pass
Reaction to fire	EN 13501-1		Class E	Class E
Average peel resistance of joints	EN 12316-2	N/50 mm	≥300	≥300
Shear resistance of joints	EN 12317-2	N/50 mm	≥ 600	≥ 600
Tensile strength: - longitudinal - transversal	EN 12311-2(B)	MPa	> 17 > 17	> 17 > 17
Elongation at break: - longitudinal - transversal	EN 12311-2	%	≥300 ≥300	≥ 300 ≥ 300
Resistance to impact	EN 12691 (A)	mm	700	1500
Resistance to impact	EN 12691 (B)	mm	1000	2000
Resistance to static load	EN 12730 (B)	kg	≥ 20	≥ 20
Tear resistance	EN 12310-2	N	≥ 150	≥ 150
Dimensional stability	EN 1107-2	%	± 1,5	± 1,5
Foldability at low temperature	EN 495-5	°C	-35	-35
UV exposure (1000 h)	EN 1297		Pass	Pass
Hail resistance	EN 13583	m/sec	≥ 25	≥ 25
Hard resistance			≥ 17	≥ 17
The average thickness of the test sample d	CSE EN 1931: 2001	m	0,00166	0,00166
Diffusion resistance factor μ	CSE EN 1931: 2001		23439	23439
Diffusion equivalent thickness s <sub>d</sub>	CSE EN 1931: 2001	m	38,9	38,9
Test of determination of watertightness after exposures to liquid chemical (10% sodium chloride, Ca(OH) <sub>2</sub> milk of lime, 5-6% sulphurous acid and water - evaluation of tightness - watertightness	CSE EN 1928:2001 CSE EN 1847: 2010		yes yes	yes yes
Test of determination of watertightness after artificial ageing by long term to elevated temperature - evaluation of tightness - watertightness	CSE EN 1928: 2001 CSE EN 1296: 2001		yes yes	yes yes
Test of determination of watertightness after exposure to bitumen - evaluation of tightness - watertightness	CSE EN 1928:2001 CSE EN 1548: 2008		yes yes	yes yes

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9.  
This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:  
Maxim Samarin, Deputy of General Director, Penoplex SPb Limited



July 2017

**RELIABLE QUALITY**