



**DECLARATION OF PERFORMANCE**  
**No. 2/2016/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> Polar, PLASTFOIL<sup>®</sup> Art, PLASTFOIL<sup>®</sup> Lay**
3. Intended use of the construction product:  
**PVC-membrane for roof and waterproofing**
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 13956:2012**  
**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-020029890.**
8. Construction Product covered by a European Technical Assessment: Not concerned
9. Declared performance:

Essential characteristics	Test method EN	Unit	Plastfoil <sup>®</sup> Polar 1.2	Plastfoil <sup>®</sup> Polar 1.5	Plastfoil <sup>®</sup> Art 1.5	Plastfoil <sup>®</sup> Lay 1.5
Water tightness	EN 1928 (B)		Pass	Pass	Pass	Pass
Reaction to fire	EN 13501-1		Class E	Class E	Class E	Class E
Average peel resistance of joints	EN 12316-2	N/50 mm	≥350	≥350	≥300	>350
Shear resistance of joints	EN 12317-2	N/50 mm	> 700	> 700	>600	> 700
Tensile strength: - longitudinal - transversal	EN 12311-2(A)	N/50 mm	> 1100 > 900	> 1100 > 900	> 15 > 15	> 1100 > 900
Elongation at brake: - longitudinal - transversal	EN 12311-2	%	> 17 > 19	> 17 > 19	>250 >250	> 17 > 19
Resistance to impact	EN 12691(A)	mm	400	700	700	700
Resistance to impact	EN 12691(B)	mm	700	1000	1000	1000
Resistance to static load	EN 12730 (B)	kg	≥ 20	≥ 20	≥ 20	> 20
Tear resistance	EN 12310-2	N	> 200	> 200	> 150	> 200
Dimensional stability	EN 1107-2	%	± 0,5	± 0,5	± 1,5	± 1,0
Foldability a flow temperature	EN 495-5	°C	-40	-40	-40	-30
UV exposure (1000 h)	EN 1297		Pass	Pass	Pass	Pass
Hailresistans	EN 13583	m/sec	> 25	> 25	> 25	> 25
Hardresistans			> 17	> 17	> 17	> 17

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, Ltd.

July 2016