



DECLARATION OF PERFORMANCE
No. 2/2016/CPR/PF

1. Unique identification code of the product-type: **PLASTFOIL[®]**
2. Identification of the construction product in accordance to article 11(4):
PLASTFOIL[®] Polar, PLASTFOIL[®] Art, PLASTFOIL[®] 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 [®] Polar 1.2 | Plastfoil [®] Polar 1.5 | Plastfoil [®] Art 1.5 | Plastfoil [®] 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 low 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