

**DECLARATION OF PERFORMANCE**
No. 003-03-CPR-2014-05-28

1. Unique identification code of the product-type:

**Product elastomeric
modified reinforced bitumen sheet Technoelast K-MS 140/4000**

| Size | Protective coating | Product number |
|------------|--------------------|----------------|
| 1,0 x 10 m | sand-film | 001661 |
| | | 770948 |
| | | 768473 |
| | | 441787 |
| 1.0 x 9,1m | sand-film | 395654 |
| 0,5 x 10 m | | 413478 |
| 1.0 x 10 m | Film-film | 416050 |

2. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

Designed for installation as the bottom layer of roof cladding on buildings and constructions for waterproofing of engineering structures. Used for new roofing construction and for repair of old roof. Ideal for the installation as two-layer waterproofing for the foundations according to EN 13969. Not recommended to use as one-layer roofing cladding or one-layer waterproofing. Can be used as underlay for a bitumen shingles with mechanical fastening.

3. Name, registered trade name or registered trade mark and contact address of the manufacturer as required under Article 11(5):

**TechnoNicol-Vyborg Ltd.,
Ruberojdnaya St., 7, Leningradskaya region, Vyborg, 188804, RUSSIA
Tel. +78137839072
Fax. +78137839091
Email: Main@vbg.tn.ru**

4. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):

**TechnoNicol-Construction systems LLC,
Gilyarovskogo St., 47/5, Moscow 129110, RUSSIA
Tel. +74959255575
Fax. +74959805249
Email: europe@tn.ru
Website: www.tn-europe.com**

5. System or systems of assessment and verification of constancy of performance of the construction product as set out in CPR, Annex V:

System 2+

6. In case of the declaration of performance concerning a construction product covered by a harmonised standard:

6a **EN 13707:2013**

EN 13969:2004+A1:2006

6b. Notified certification body No. 0809 - VTT Expert Services Ltd. 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.

This certificate №0809-CPR-1033 on May 28.2014. Certificate 0809-CPR-1025 on November 15.2013



7. Declared performance

Technoelast K/MS 170/4000

| № | | The indicator name | Test method | Unit of measure | Norm |
|--|------|--|--|----------------------------------|-----------------------------|
| Полиэстр / Polyester, 170 g/m² | | | | | |
| 1 | | Защита верхней стороны | Protection of the top side | | See item number 2 |
| 2 | | Защита нижней стороны | Protection of the bottom side | | |
| 3 | MLV | Длины | Rolls length, | EN 1848-1 mm | |
| 4 | MLV | Ширины | Rolls width | EN 1848-1 mm | |
| 5 | Pass | Прямолинейность | Straightness | EN 1848-1 mm | Pass |
| 6 | MDV | Масса на единицу площади | Mass per unit area | EN 1849-1 kg/m ² | 4,0-0,20 |
| 7 | MDV | Толщина | Thickness | EN 1849-1 mm | 3.3±0.2 |
| 8 | | Видимые дефекты | Visible defects | EN 1850-1 - | no |
| 9 | MLV | Гибкость в холодном состоянии | Cold flexibility, -25 °/ø 30 mm- upper face and lower face | EN 1109-1 °C | ≤-25/30 |
| 10 | MLV | Испытание на теплостойкость | Flow resistance at elevated temperature +100 °C/2 h - upper face and lower face | EN 1110 °C | ≥100 |
| 11 | MDV | Сцепление посыпки с покровным слоем | Adhesion of granules | EN 12039 % | |
| 12 | MDV | Относительное удлинение | Elongation, L/T | EN 12311-1 % | 50/50 ±25 |
| 13 | MDV | Разрывные показатели | Tensile strength, L/T | EN 12311-1 N/50mm | 700/500 ±100 |
| 14 | MLV | Стабильность размеров | Dimensional stability, +80 °C/24 h, L. method B | EN 1107-1 % | ≤±0,6 |
| 15 | MDV | Сопротивления на распространение трещин (при | Nail shank tear resistance, L/T | EN 12310-1 N | 180/180 ±30 |
| 16 | Pass | Водонепроницаемость | Watertightness | EN 1928 kPa | 300 |
| 17 | MDV | Сопротивление отслаивания на стыках | Peel resistance of joints, A/M | EN 12316-1 N/50mm | 80/100± 50 |
| 18 | MDV | Сопротивление соединений разрезу | Shear resistance of joints | EN 12317-1 N/50mm | 450±50 |
| 19 | MLV | Сопротивление удару при +23 °C | Resistance to impact-impact resistance at +23 °C/ø12.7 mm (500 g/h.mm). method B | EN 12691 mm | h≥1000 |
| 20 | MLV | Сопротивление удару при +23 °C | Resistance to impact-impact resistance at +23 °C/ø12.7 mm (500 g/h.mm). method A | EN 12691 mm | h≥500 |
| 21 | MLV | Сопротивление статическому нагружению, метод А | Resistance to static loading, 200 N (20 kg) Method A (EPS support) | EN 12730 kg | ≥ 20 |
| 22 | | Пожарные испытания | External fire exposure | EN 13501-5 ENV 1187:2002, test 2 | B_{Roof}(t2) |
| 23 | | Паропроницаемость | Determination of water vapor transmission properties | EN 1931 — | μ=20000 |
| Properties after artificial ageing/ EN 1296. 12 weeks at +70 °C | | | | | |
| 24 | MDV | Теплостойкость | Flow resistance at elevated temperature +80 °C/2 h - upper face and lower face | EN 1110 °C | ≥80 |
| 25 | MDV | Гибкость в холодном состоянии | Cold flexibility, -15 °/ø 30 mm- upper face and lower face | EN 1109-1 °C | ≤-15/30 |
| 26 | MDV | Водонепроницаемость | Watertightness | EN 1928 kPa | ≥300 |

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by: [name]... Deputy Quality Director

At [place]... TechnoNicol-Vyborg, Ltd.....on [date of issue]... 19.12.2014.....





TECHNONICOL

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[Signature].....Galina Grablina