

**DECLARATION OF PERFORMANCE****No. 373-01-CPR-2017-09-19**

1. Unique identification code of the product-type:

**Product elastomeric  
modified reinforced bitumen sheet Technoelast K-YS 5500 slate**

| Size | Protective coating   | Product number |
|------|----------------------|----------------|
| 1x5  | Crystal slate - Film | TN554350       |
| 1x5  | Black slate - Film   | TN529716       |

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 of one-layer of roof cladding of buildings and constructions and for waterproofing of engineering structures. Used for new roofing construction and for repair of old roof. Applied in single-layer roofs and at placing by a cold method - by means of mechanical fixing; fastened to the basis by means of fixture that is installed in overlappings. Traditional placing by melting and partial melting is possible also.**

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

**TechnoNicol-Vyborg Ltd.,  
Ruberoidnaya St., 7, Leningradskaya region, Vyborg, 188804, RUSSIA  
Tel. +78137839072  
Fax. +78137839091  
Email: [Main@vbg.tn.ru](mailto: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](mailto:europe@tn.ru)  
Website: [www.tn-europe.com](http://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 13707:2004 + A2:2009**

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, was first issued on May 28. 2014**



## 7. Declared performance

### Technoelast K-YS 5500 slate

| №   |      | The indicator name  | Test method  | Unit of measure                   | Norm              |
|---|------|---|--|-----------------------------------|-------------------|
| Полиэстр / Polyester, 180 g/m <sup>2</sup>                      |      |   |  |                                   |                   |
| 1   |      | Защита верхней стороны  | Protection of the top side   |                                   | slate             |
| 2   |      | Защита нижней стороны   | Protection of the bottom side  |                                   | film              |
| 3   | MLV  | Длины   | Rolls length,  | EN 1848-1                         | mm                |
| 4   | MLV  | Ширины  | Rolls width  | EN 1848-1                         | mm                |
| 5   | Pass | Прямолнейность  | Straightness   | EN 1848-1                         | mm                |
| 6   | MDV  | Масса на единицу площади  | Mass per unit area   | EN 1849-1                         | kg/m <sup>2</sup> |
| 7   | MDV  | Толщина по кромке   | Thickness on (on selvedge)   | EN 1849-1                         | mm                |
| 8   |      | Видимые дефекты   | Visible defects  | EN 1850-1                         | -                 |
| 9   | MLV  | Гибкость в холодном состоянии   | Cold flexibility, -25 °/ø 30 mm- upper face and lower face                       | EN 1109-1                         | °C                |
| 10  | MLV  | Испытание на теплостойкость   | Flow resistance at elevated temperature +100 °C/2 h - upper face and lower face  | EN 1110                           | °C                |
| 1   | MDV  | Сцепление посыпки с покровным слоем                                     | Adhesion of granules   | EN 12039                          | %                 |
| 12  | MDV  | Относительное удлинение   | Elongation, L/T  | EN 12311-1                        | %                 |
| 13  | MDV  | Разрывные показатели  | Tensile strength, L/T  | EN 12311-1                        | N/50mm            |
| 14  | MLV  | Стабильность размеров   | Dimensional stability, +80 °C/24 h, L. method B                                  | EN 1107-1                         | %                 |
| 15  | MDV  | Сопротивления на распространение трещин (при помощи штифта)             | Nail shank tear resistance, L/T  | EN 12310-1                        | N                 |
| 17  | Pass | Водонепроницаемость, метод B  | Watertightness, method B   | EN 1928                           | kPa               |
| 18  | MDV  | Сопротивление отслаивания на стыках                                     | Peel resistance of joints, A/M   | EN 12316-1                        | N/50mm            |
| 19  | MDV  | Сопротивление соединений разрезу (до и после старения 28 дней при 80°C) | Shear resistance of joints (before and after heat ageing 28 days at 80°C)        | EN 12317-1<br>EN 1296 / EN12317-1 | N/50mm            |
| 20  | MLV  | Сопротивление удару, метод B при +23 °C                                 | Resistance to impact-impact resistance at +23 °C/ø12.7 mm (500 g/h.mm). method B | EN 12691                          | mm                |
| 21  | MLV  | Сопротивление удару, метод A при +23 °C                                 | Resistance to impact-impact resistance at +23 °C/ø12.7 mm (500 g/h.mm). method A | EN 12691                          | mm                |
| 23  | MLV  | Сопротивление статическому нагружению, метод A/B                        | Resistance to static loading, Method A/B   | EN 12730                          | kg                |
| 24  |      | Пожарные испытания  | External fire exposure   | EN 13501-5                        |                   |
| 25  |      | Паропроницаемость   | Determination of water vapor transmission properties                             | EN 1931                           | —                 |
| Properties after artificial ageing/ EN 1296. 12 weeks at +70 °C |      |   |  |                                   |                   |
| 27  | MDV  | Теплостойкость  | Flow resistance at elevated temperature +80°C/2 h - upper face and lower face    | EN 1110                           | °C                |
| 28  | MDV  | Гибкость в холодном состоянии   | Cold flexibility, -15 °/ø 30 mm- upper face and lower face                       | EN 1109-1                         | °C                |

\*in system: non-combustible mineral wool, thickness 50 mm, density 150 kg/m<sup>3</sup>

\*\*in system: steel deck 0.75 mm, profile 106/Eps insulation, quality EPS100, thickness 100 mm, Euroclass E/ separation layer of plain glass fleece, 100 g/m<sup>2</sup>

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]...2018.03.19.....

[Signature].....Galina Grablina.....

