

DECLARATION OF PERFORMANCE

No. 005-02-CPR-2013-12-19

1. Unique identification code of the product-type:

**Product elastomeric
modified reinforced bitumen sheet Technoelast K-EL 60/2200**

2. Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4):

Technoelast K-EL 60/2200

| Size | Protective coating | Product number |
|------------|--------------------|------------------|
| 1,0 x 15 m | sand-sand | 771337 001658 |

3. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:
Designed for installation as the bottom layer of roof cladding on buildings. Used for new construction and for repair.
Can be used as under layer for a bitumen shingle with mechanical fastening.
4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required under Article 11(5):

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

5. 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, Moskow 129110, RUSSIA
Tel. +74959255575
Fax. +74959805249
Email: europa@tn.ru
Website: www.tn-europe.com**

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in CPR, Annex V:
System 2+
7. In case of the declaration of performance concerning a construction product covered by a harmonized standard:

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 No.0809-CPD-0559 was first issued on August 20.2006,
updated on June 27.2013;**

Updated certificate №0809-CPR-1033 on December 19.2013.

9. Declared performance

Technoelast K-EL 60/2200

| № | The indicator name | | Test method | Unit of measure | Norm | Harmonised technical specification | |
|--|--------------------|---|---|----------------------------------|-------------------|------------------------------------|-------------------------------------|
| Стеклохолст/ Glass-fiber mat, 55 g/ m² | | | | | | | |
| 1 | | Защита верхней стороны | Protection of the top side | | | EN 13707:2004+A2:2009 | |
| 2 | | Защита нижней стороны | Protection of the bottom side | | | | |
| 3 | MLV | Длины | Rolls length, | EN 1848-1 | mm | | See item number 2 |
| 4 | MLV | Ширины | Rolls width | EN 1848-1 | mm | | ≥15000 |
| 5 | Pass | Прямолинейность | Straightness | EN 1848-1 | mm | | ≥1000 |
| 6 | MDV | Масса на единицу площади | Mass per unit area | EN 1849-1 | kg/m ² | | Pass |
| 7 | MDV | Толщина | Thickness | EN 1849-1 | mm | | 2.2-0.11 |
| 8 | | Видимые дефекты | Visible defects | EN 1850-1 | - | | 2.2-0.11 |
| 9 | MLV | Гибкость в холодном состоянии | Cold flexibility, -25 °/ø 30 mm-upper face and lower face | EN 1109-1 | °C | | Visible defects |
| 10 | MLV | Испытание на теплостойкость | Flow resistance at elevated temperature +100 °C/2 h - upper | EN 1110 | °C | | ≤-25/30 |
| 11 | MDV | Сцепление посыпки с покрывным слоем | Adhesion of granules | EN 12039 | % | | ≥100 |
| 12 | MDV | Относительное удлинение | Elongation, L/T | EN 12311-1 | % | | - |
| 13 | MDV | Разрывные показатели | Tensile strength, L/T | EN 12311-1 | N/50mm | | 2.2/2.2 ±0.22 |
| 14 | MLV | Стабильность размеров | Dimensional stability, +80 °C/24 h, L. method B | EN 1107-1 | % | | 400/250 ±100 |
| 15 | MDV | Сопrotivления на распространение трещин (при помощи штифта) | Nail shank tear resistance, L/T | EN 12310-1 | N | | 50/50 ±10 |
| 16 | Pass | Водонепроницаемость | Watertightness | EN 1928 | kPa | | ≥100 |
| 17 | | Пожарные испытания | External fire exposure | EN 13501-5 ENV 1187:2002, test 2 | | | B _{ROOF} (t ₂) |
| 18 | | Паропроницаемость | Determination of water vapor transmission properties | EN 1931 | — | | μ=20000 |
| Properties after artificial ageing/ EN 1296. 12 weeks at +70 °C | | | | | | | |
| 19 | MDV | Теплостойкость | Flow resistance at elevated temperature +80 °C/2 h - upper | EN 1110 | °C | ≥80 | |
| 20 | MDV | Гибкость в холодном состоянии | Cold flexibility, -15 °/ø 30 mm-upper face and lower face | EN 1109-1 | °C | ≤-15/30 | |
| Dangerous substances: | | | | | | | |
| Does not include dangerous substances | | | | | | | |

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:

General director

Vladimir Savenkov

19.12.2013

(place and date of issue)

(name and function)



(signature)