



**DECLARATION OF PERFORMANCE
No. 002-05-CPR-2016-09-15**

1. Unique identification code of the product-type:

Product elastomeric modified reinforced bitumen sheet Technoelast K-PS 170/5000 slate

Size	Protective coating	Product number
1.0 x 8 m	Grey slate	770928
		001670
		09104525
	Red slate	001666
		770214
		001665
1.0 x 8 m	white slates	376722
1.0 x 9.1 m		391587
		394263

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 top layer of roof cladding on buildings and constructions. Used for new roofing construction and for repair of old roof.

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@vbq.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 13707:2004 + 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-CPD-0559 was first issued on August 20.2006;
Updated certificate №0809-CPR-1033 on May 28.2014**



7. Declared performance

Technoelast K-PS 170/5000

№		The indicator name	Test method	Unit of measure	Norm
Полиэстр / Polyester, 170 g/m²					
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 ≥8000
4	MLV	Ширины	Rolls width	EN 1848-1	mm ≥1000/ /700/500/330
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 5,0-0,25
7	MDV	Толщина	Thickness	EN 1849-1	mm
8		Видимые дефекты	Visible defects	EN 1850-1	- Visible defects
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	% ≤30
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	Сопротивление на распространение трещин (при помощи штифта)	Nail shank tear resistance, L/T	EN 12310-1	N 200/200 ± 50
16	Pass	Водонепроницаемость	Watertightness	EN 1928	kPa 300
17	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≥1250
18	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
19	MLV	Сопротивление статическому нагружению, метод А	Resistance to static loading, 200 N (20 kg) Method A (EPS support)	EN 12730	kg ≥ 20
20		Пожарные испытания	External fire exposure	EN 13501-5 ENV 1187:2002, test 2	
21		Паропроницаемость	Determination of water vapor transmission properties	EN 1931	— μ=20000
Properties after artificial ageing/ EN 1296. 12 weeks at +70 °C					
22	MDV	Теплостойкость	Flow resistance at elevated temperature +80 °C/2 h - upper face and lower face	EN 1110	°C ≥ 80
23	MDV	Гибкость в холодном состоянии	Cold flexibility, -15 °/Ø 30 mm- upper face and lower face	EN 1109-1	°C ≤-15/30
24	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
25	MDV	Относительное удлинение	Elongation, L/T	EN 12311-1	% 50/50 ±25
26	MDV	Разрывные показатели	Tensile strength, L/T	EN 12311-1	N/50mm 700/500 ±100

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]... 2016.09.15.....

[Signature].....Galina Grablina