TECHNO NICOL CONSTRUCTION SYSTEMS

Building the best together!

DECLARATION OF PERFORMANCE
No. 001-03-CPR-2016-02-01

1. Unique identification code of the product-type:

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

Size	Protective coating	Product number
1,0 x 8 m	Black slate	001581
		000813
		768471
		769824
1.0 x 9 m		772263
1.0 x 8 m	Grey slate	555221
		001633
		770215
	Red slate	769892
		769891
	white slates	462396
		497038

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

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, Moskow 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**

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 / Glass Scrim Reinforced Polyester, 180 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
5	Pass	Прямолинейность	Straightness	EN 1848-1	mm	≤16
6	MD	Масса на единицу площади	Mass per unit area	EN 1849-1	kg/m²	5,5-0,275
7	MD	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
1	MDV	Сцепление посыпки с покровным слоем	Adhesion of granules	EN 12039	%	≤30
12	MD	Относительное удлинение	Elongation, L/T	EN 12311-1	%	50/50 ±25
13	MD	Разрывные показатели	Tensile strength, L/T	EN 12311-1	N/50mm	900/700 ±100
14	MLV	Стабильность размеров	Dimensional stability, +80 °C/24 h, L. method B	EN 1107-1	%	≤±0,3
15	MDV	Сопротивления на распространение трещин (при помощи штифта)	Nail shank tear resistance, L/T	EN 12310-1	N	300/300 ± 60
16	MLV	Водонепроницаемость после растяжения при низкой температуре	Watertightness after stretching; conditioning-10 °C/2h.	EN 13897	%	≥10
17	Pass	Водонепроницаемость	Watertightness	EN 1928	kPa	500
18	MDV	Сопротивление отслаивания на стыках	Peel resistance of joints, A/M	EN 12316-1	N/50mm	90/150± 30
19	MDV	Сопротивление соединений разрезу	Shear resistance of joints	EN 12317-1	N/50mm	650±50
20	MLV	Сопротивление удару, метод Б при +23 °C	Resistance to impact-impact resistance at +23 °C/ø12.7 mm (500 g/h.mm). method B	EN 12691	mm	h≥1500
21	MLV	Сопротивление удару, метод А при +23 °C	Resistance to impact-impact resistance at +23 °C/ø12.7 mm (500 g/h.mm). method	EN 12691	mm	h≥600
22	MLV	Сопротивление удару при -10 °C	Resistance to impact-impact resistance at -10 °C/ø20 mm (1000 g/h.mm). method A	EN 12691	mm	h≥600
23	MLV	Сопротивление статическому нагружению, метод А	Resistance to static loading, 200 N (20 kg) Method A (EPS support)	EN 12730	kg	≥ 20
24		Пожарные испытания	External fire exposure	EN 13501-5		$B_{ROOF}(t2)$* $B_{ROOF}(t1)$**
25		Паропроницаемость	Determination of water vapor transmission properties	EN 1931	——	μ=20000
26		Устойчивость к скольжению	Skid resistance	EN 13036-4	PTV	75
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	≥80
28	MDV	Гибкость в холодном состоянии	Cold flexibility, -15 °/ø 30 mm- upper face and lower face	EN 1109-1	°C	≤-15/30
29	MDV	Относительное удлинение (продольное/ поперечное направление)	Elongation, L/T	EN 12311-1	%	50/50 ±25
30	MDV	Разрывные показатели (продольное/ поперечное направление)	Tensile strength, L/T	EN 12311-1	N/50mm	900/700 ±100
31	MLV	Сопротивление удару, метод А при +23 °C	Resistance to impact-impact resistance at +23 °C/ø12.7 mm (500 g/h.mm). method	EN 12691	mm	h≥500
Properties after artificial ageing/ EN 1296. 24 weeks at +70 °C						
32	MDV	Водонепроницаемость после растяжения при низкой температуре	Watertightness after stretching; conditioning-5 °C/2h.	EN 13897	%	≥5
33	MDV	Относительное удлинение (продольное/ поперечное направление)	Elongation, L/T	EN 12311-1	%	50/50 ±25
34	MDV	Разрывные показатели (продольное/ поперечное направление)	Tensile strength, L/T	EN 12311-1	N/50mm	900/700 ±100

*in system: non-combustible mineral wool, thickness 50 mm, density 150 kg/m3
**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/m2

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*]...GENERAL MANAGER.....

At [*place*]... TechnoNicol-Vyborg, Ltd.....on [*date of issue*]...2016.02.01.....

[*Signature*].....Vladimir Savenkov.....