

DECLARATION OF PERFORMANCE

No. 059-03-CPR-2015-03-23

1. Unique identification code of the product-type:

**Product elastomeric
modified reinforced bitumen sheet Bicroelast EMP**

Size	Protective coating	Product number
1×15 m	Sand-film	001709

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 under layer 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.,
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, Moskow 129110, RUSSIA
Tel. +74959255575
Fax. +74959805249
Email: europa@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 No.0809-CPR-1024 was first issued on November 15.2013.

Certificate No.0809-CPR-1024 on May 23.2014

updated certificate No.0809-CPR-1025 on November 15.2013

updated certificate No.0809-CPR-1025 on March 23.2015

7. Declared performance

Bicroelast EMP

№		The indicator name	Test method	Unit of measure	Norm	
Полиэстр / Polyester, 160 g/m²						
1		Защита верхней стороны	Protection of the top side		film	
2		Защита нижней стороны	Protection of the bottom side		film	
3	MLV	Длина	Rolls length,	EN 1848-1	mm	≥15000
4	MLV	Ширина	Rolls width	EN 1848-1	mm	≥1000
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	3,0-0,15
7	MDV	Толщина	Thickness	EN 1849-1	mm	2.5 ±0.1
8		Видимые дефекты	Visible defects	EN 1850-1	-	Visible defects
9	MLV	Гибкость в холодном состоянии	Cold flexibility, °C/∅ 30 mm- upper face and lower face	EN 1109-1	°C	≤-10/30
10	MLV	Испытание на теплостойкость	Flow resistance at elevated temperature, °C/2 h - upper face and lower face	EN 1110	°C	≥85
11	MDV	Относительное удлинение	Elongation, L/T	EN 12311-1	%	50/50±25
12	MDV	Разрывные показатели	Tensile strength, L/T	EN 12311-1	N/50mm	600/500±100
13	MLV	Стабильность размеров	Dimensional stability, +80 °C/24 h, L. method B	EN 1107-1	%	≤±0,6
14	MDV	Сопротивление на распространение трещин (при помощи штифта)	Nail shank tear resistance, L/T	EN 12310-1	N	180/180 ±50
15	Pass	Водонепроницаемость	Watertightness	EN 1928	kPa	200
16	MDV	Сопротивление отслаивания на стыках	Peel resistance of joints, A/M	EN 12316-1	N/50mm	80/100±50
17	MDV	Сопротивление соединений разрезу	Shear resistance of joints	EN 12317-1	N/50mm	450±50
18	MLV	Сопротивление удару при +23 °C	Resistance to impact-impact resistance at +23 °C/∅12.7 mm (500 g/h.mm). method B	EN 12691	mm	h≥800
19	MLV	Сопротивление удару при +23 °C	Resistance to impact-impact resistance at +23 °C/∅12.7 mm (500 g/h.mm). method A	EN 12691	mm	h≥500
20	MLV	Сопротивление статическому нагружению, метод А	Resistance to static loading, 200 N (20 kg) Method A (EPS support)	EN 12730	kg	≥ 20
21		Пожарные испытания	External fire exposure	EN 13501-5 ENV 1187:2002, test 2		B_{ROOF}(t2)
22		Пожарные испытания, испытание огнем	External fire exposure, Reazione al fuoco	EN 13501-1:2004		EUROCLASS E
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, °C/2 h - upper face and lower face	EN 1110	°C	≥80
25	MDV	Гибкость в холодном состоянии	Cold flexibility, °C/∅ 30 mm- upper face and lower face	EN 1109-1	°C	≤-5/30
26	MDV	Водонепроницаемость	Watertightness	EN 1928	kPa	≥200

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].....2015.03.23.....

[signature]..........Vladimir Savenkov.....