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DECLARATION OF PERFORMANCE

No. 117-01-CPR-2014-04-22

1. Unique identification code of the product-type:

Product plastomeric
modified reinforced bitumen sheet TROPICAL P 4,0 kg 120

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

TROPICAL P 4,0 kg 120

Size	Protective coating			Product number
1x10 m	sent-film			460219

3. 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 underlayer for a bitumen shingles 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.,
Ruberoidnaya 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: europe@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 harmonised standard:

Notified certification body No. 1023 - INSTITUTE FORTESTING AND CERTIFICATION, Plc. performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control.

Updated certificate 1023-CPR-0546 F/b on APRIL 22.2014
Updated certificate 1023-CPR-0547 F/b on APRIL 22.2014

TECHNONICOL CONSTRUCTION SYSTEMS

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9. Declared performance

TROPICAL P 4,0 kg 120

№		The indicator name		Test method	Unit of measure	Norm	Harmonised technical specification
	Полиэстр / Polyester, 120 g/m²						
1		Защита верхней стороны	Protection of the top side			See item number 2	EN 13707:2004+A2:2009 EN 13969: 2004+A1:2006
2		Защита нижней стороны	Protection of the bottom side				
3	MLV	Длина	Rolls length,	EN 1848-1	mm		
4	MLV	Ширина	Rolls width	EN 1848-1	mm		
5	Pass	Прямолинейность	Straightness	EN 1848-1	mm	Pass	
6	MDV	Толщина	Thickness	EN 1849-1	mm		
7	MDV	Масса на единицу площади	Mass per unit area	EN 1849-1	kg/m²	4,0±0.2	
8		Видимые дефекты	Visible defects	EN 1850-1	-	No visible defects	
9	MLV	Стабильность размеров	Dimensional stability, +80 ºC/24 h, L. method B	EN 1107-1	%	≤±0,6	
10	MLV	Гибкость в холодном состоянии	Cold flexibility, °C/ø30- upper face and lower face	EN 1109-1	°C	≤0/30	
11	MLV	Испытание на теплостойкость	Flow resistance at elevated temperature, °C/2 h - upper face and lower face	EN 1110	°C	≥110	
12	MDV	Относительное удлинение	Elongation, L/T	EN 12311-1	%	25/30 ±10/10	
13	MDV	Разрывные показатели	Tensile strength, L/T	EN 12311-1	N/50mm	500/300 ±100/100	
14	MDV	Сопротивление на распространение трещин (при помощи штифта)	Nail shank tear resistance, L/T	EN 12310-1	N	120/120 ±30/30	
15	MDV	Ссопротивление отслаивания на стыках	Peel resistance of joints, A/M	EN 12316-1	N/50mm	80/100± 50	
16	MDV	Сопротивление соединений разрезу	Shear resistance of joints	EN 12317-1	N/50mm	450±50	
17	MLV	Сопротивление удару при +23 °C	Resistance to impact-impact resistance at +23 °C/ø12.7 mm (500 g/h.mm).	EN 12691	mm	h≥700	
18	MLV	Сопротивление удару при +23 °C	Resistance to impact-impact resistance at +23 °C/ø12.7 mm (500 g/h.mm).	EN 12691	mm	h≥300	
19	MLV	Сопротивление статическому нагружению,	Resistance to static loading, 200 N (20 kg) Method A (EPS support)	EN 12730	kg	≥ 10	
20	Pass	Водонепроницаемость	Watertightness	EN 1928	kPa	200	
21		Пожарные испытания, испытание огнем	External fire exposure, Reazione al fuoco	EN 13501-1:2004		EUROCLASSE F	
22		Паропроницаемость	Determination of water vapor transmission properties	EN 1931	—	μ=20000	
	Properties after artificial ageing/ EN 1296. 12 weeks at +70 °C						
23	MDV	Теплостойкость	Flow resistance at elevated temperature, °C/2 h - upper face and lower face	EN 1110	°C	≥80	
24	MDV	Гибкость в холодном состоянии	Cold flexibility, C °/ø 30 mm- upper face and lower face	EN 1109-1	°C	≤0/30	
25	MDV	Водонепроницаемость	Watertightness	EN 1928	kPa	≥200	

Does not include dangerous substances.
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 — Savenkov Vladimir

(name and function)

(place and date of issue)

(signature)