

**TECHNO  
NICOL**

insulating systems

TechnoNicol Vyborg, Ltd  
pos. im. Kalinina, Leningradskaya region.  
Vyborg, 188804, RUSSIA  
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0809-CPD-0560

**Declaration of conformity**

**No: 0809 / CE / VBG / 2012**

(dated 03.02.2012)

**TechnoNicol-Vyborg Ltd.,**

pos. im. Kalinina, Leningradskaya region, Vyborg, 188804, RUSSIA

Declares, under its sole responsibility, that the product elastomeric  
modified reinforced bitumen sheet

**Unifleks EPP 4,0**

produced in compliance with EN 13707:2004+A2:2009 «Flexible sheets for waterproofing  
reinforced bitumen sheets for roof waterproofing - Definitions and characteristics» Annex ZA  
addition requirements.

This product is applied by the torch-on method and used as bottom or intermediate layer in multi-layer  
roof waterproofing systems.

**Manufacturer references:**

Do not apply this product as a single-layered roofing waterproofing or for roof gardens.

Declaration valid with this product accompanying appendix to the declaration.

Certification authority: **VTT Expert Services Ltd**

**Biologinkuja 7, Espoo**

**P.O. Box 1001, FI-02044 VTT, Finland**

**Tel +358 20 722 111 [www.vttexpertservices.fi](http://www.vttexpertservices.fi)**

**Fax +358 20 722 701 [name.surname@vtt.fi](mailto:name.surname@vtt.fi)**

General director: Vladimir Savenkov  
(Duty, name, surname of an authorized person)



(Signature)



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The appendix to the declaration  
No: 0809 / CE / VBG / 2012  
dated 03.02.2012 for the material

**Unifleks EPP 4,0**

EN 13707+A2:2009

№		The indicator name	Test method	Unit of measur	Norm	
<b>Полиэстр / Polyester, 160 g/m</b>						
1		Защита верхней стороны	Protection of the top side		<b>film</b>	
2		Защита нижней стороны	Protection of the bottom side		<b>film</b>	
3	MLV	Определение длины	Flexible sheets for waterproofing-Determination of length, width and straightness	EN 1848-1	mm	<b>≥10000</b>
4	MLV	Определение ширины	Flexible sheets for waterproofing-Determination of length, width and straightness	EN 1848-1	mm	<b>≥1000</b>
5	Pass	Определение прямолинейность	Flexible sheets for waterproofing-Determination of length, width and straightness	EN 1848-1	mm	<b>≤20</b>
6	MDV	Определение толщины	Flexible sheets for waterproofing-Determination of thickness and mass per unit area	EN 1849-1	mm	-
7	MDV	Определение массы на единицу площади	Flexible sheets for waterproofing-Determination of thickness and mass per unit area	EN 1849-1	kg/m <sup>2</sup>	<b>4,0±0,25</b>
8	Visible defects	Определение видимых дефектов	Flexible sheets for waterproofing-Determination of visible defects	EN 1850-1	-	
9	MLV	Испытание на гибкость в холодном состоянии	Flexible sheets for waterproofing-Bitumen sheets for roof waterproofing-Determination of flexibility at low temperature	EN 1109	°C	<b>≤-20</b>
10	MLV	Испытание на теплостойкость	Flexible sheets for waterproofing-Bitumen sheets for roof waterproofing-Determination of flow resistance at elevated temperature	EN 1110	°C	<b>≥+95</b>
11	MDV	Определение показателя относительного удлинения (продольное/ поперечное направление)	Flexible sheets for waterproofing-Bitumen sheets for roof waterproofing-Determination of tensile properties	EN 12311-1	%	<b>50/50 ±20</b>
12	MDV	Определение разрывных показателей (продольное/ поперечное направление)	Flexible sheets for waterproofing-Bitumen sheets for roof waterproofing-Determination of tensile properties	EN 12311-1	N/50m m	<b>700/500 ±100</b>
13	Pass	Определение водонепроницаемости	Flexible sheets for waterproofing-Bitumen, plastic and rubber sheets for roof waterproofing-Determination of watertightness after stretching at low temperature	EN 1928	kPa	<b>300</b>
14	MLV	Определение стабильности размеров	Flexible sheets for waterproofing-Determination of dimensional stability-Bitumen sheets for roof waterproofing	EN 1107-1	%	<b>≤ 0,6</b>
15	MDV	Определение показателя сопротивления на распространение трещин (при помощи штифта) (продольное /поперечное направление)	Flexible sheets for waterproofing-Bitumen sheets for roof waterproofing-Determination of resistance to tearing (nail shank)	EN 12310-1	N	<b>180/180 ±50</b>
16		Пожарные испытания	Fire classification of construction products and building elements-Part 5: Classification using data from external fire exposure to roofs tests	EN 13501-5 ENV 1187:2002, test 2		<b>B<sub>ROOF</sub>(t2)</b>
17		Определение свойств паропроницаемости	Determination of water vapour transmission properties	EN 1931	—	<b>μ=20000</b>