

О СОВЕРШЕНСТВОВАНИИ СТРУКТУРЫ СТАНДАРТОВ НА СТРОИТЕЛЬНУЮ ПРОДУКЦИЮ

ЕВРОПЕЙСКИЙ ОПЫТ ПРАКТИЧЕСКОГО ПРИМЕНЕНИЯ ПРИЛОЖЕНИЙ ZA

Законодательство Европы

Регламент ЕС № 305/2011

Регламент Европейского союза № 305/2011 Европейского парламента и совета «Об установлении гармонизированных условий для распространения на рынке строительной продукции и отмене директивы 89/106/ЕЕС»

ПРАВИЛА государств-членов требуют, чтобы строительные сооружения были спроектированы и построены так, чтобы соблюсти безопасность людей, домашних животных и собственности.

Эти правила накладывают требования к строительной продукции. Требования к продукции отражаются в национальных стандартах на продукцию, технических одобрениях и других нормативных документах.



Законодательство Европы

Базовые требования ЕС к строительным сооружениям



Обеспечение базовых требований к строительным сооружениям

Существенные характеристики и характеристики качества

Существенные характеристики - это характеристики строительной продукции, которые обеспечивают базовые требования для строительных сооружений.

Характеристики качества строительной продукции - это характеристики качества, относящиеся к соответствующим существенным характеристикам.



Обеспечение базовых требований к строительным сооружениям

Мандат Европейской комиссии



EUROPEAN COMMISSION
 DIRECTORATE-GENERAL III
 INDUSTRY
 Industrial affairs II: Capital goods industries
 Construction

131

Brussels, 7.09.1994

TECHNICAL TERMS OF REFERENCE FOR THE MANDATE

Mandate 15

MANDATE TO CEN/CENELEC CONCERNING THE EXECUTION OF STANDARDISATION WORK ON CONSTRUCTION PRODUCTS INTENDED TO BE USED FOR ROOF FINISHES

2. Systems of attestation of conformity

2.1 For the product and intended use listed below, CEN/CENELEC are requested to specify the following system of attestation of conformity in the relevant harmonised standard/s :

Product	Intended use	Level/s or class/es	Attestation of conformity system
Roof sheets	in roofs		2+

System 2+ : See DPC Annex III.2.(ii), First possibility, including certification of the factory production control by an approved body

PRODUCTS USED FOR ROOF FINISHES

Title

Related charact.

MEMBRANES: Roof sheeting

Characteristics covered by the harmonised standard will be: reaction/resistance to fire (penetration, spread of flame) (for roof coverings), water tightness, tensile strength, root resistance (only for roof gardens), static perforation resistance, impact resistance and tear resistance (for handling and installation) as well as the durability of water tightness against weathering and ageing/degradation.

22g, h,
33a, 32f,
32i, 32b,
32d, 32m,
D6, D8

Additional characteristics for specific products:

- Bitumen roof sheeting
 joint strength, pliability (for handling and installation)

+ 32e, 32i

Characteristics to be in the harmonised standards	
21a	- Reaction to fire (only for exposed applications)
22g 22h	- Reaction / Resistance to fire (for roof coverings) <ul style="list-style-type: none"> * penetration * spread of flame
33a	- Water tightness
33b	- Water vapour permeability
32b 32e 32f 32g 32i	- Strength <ul style="list-style-type: none"> * static perforation resistance * joint * tensile * compressive creep * root resistance (only for roof gardens)
for handling and installation:	
32d 32i 32m	- Strength <ul style="list-style-type: none"> * impact resistance * pliability * tear resistance
D8	- Durability of (21a) against: <ul style="list-style-type: none"> * ageing/degradation
D2	- Durability of (33a) and (33b) against: <ul style="list-style-type: none"> * chemicals (only when the product is intended to be used in contact with chemicals)
D6 D8	<ul style="list-style-type: none"> * weathering * ageing/degradation
NB: Specifications should refer to general test methods developed for flexible sheets.	
Mechanical aspects (32b) to (32m) are not structural ones and should be taken into account only to ensure that the products maintain their performance	

Требования EN 13707 к кровельным материалам

Материалы рулонные битумосодержащие для гидроизоляции кровель EN

Table ZA.1 — Characteristics meeting Mandate M 102 given under CPD

Essential characteristics	Requirement clauses in this EN	Levels and/or classes	Notes
External fire performance	5.2.5.1	Classes in accordance with (A) EN 13501-5 (A) or deemed to satisfy	To comply with regulatory requirements
Reaction to fire	5.2.5.2	Classes in accordance with EN 13501-1	See NOTE in 5.2.5.2
Watertightness	5.2.3	—	Threshold value
Tensile strength	5.2.10	—	
Root resistance	5.2.14	—	Only for products used as root barriers in roof gardens
Resistance to static loading	5.2.12	—	
Resistance to impact	5.2.11	—	
Resistance to tearing	5.2.13	—	
Joint strength	5.2.8.1	—	Only for mechanically fastened single layer applications
	5.2.8.2	—	Only for single layer application
Durability	5.2.19.1	—	Top layers with permanent light protection and single layers
	5.2.19.2	—	Top layers and single layers without surface protection
	5.2.19.3	—	Top layers with permanent heavy surface protection, underlayers and intermediate layers
Pliability	5.2.17	—	
Dangerous substances	5.3	—	See relevant note in ZA.1

— means that no classes or levels are given by the mandate.

Figure ZA.1 gives an example of the information related to products subject to attestation of conformity systems according to Table ZA.3.1, to be given on the accompanying commercial (technical) documentation.

 01234	CE marking, consisting of the "CE"-symbol given in Directive 93/68/EEC.
AnyCo Ltd, PO Box 21, B-1050	Identification number of the certification body
13	Name or identifying mark and registered address of the producer
01234-CPD-00234	Last two digits of the year in which the marking was affixed
EN 13707:2013	EC Certificate number
1 m × 5 m × 4 mm, polyester non-woven, elastomeric modified bitumen, fine mineral and polymeric sheeting, torchable only. Top layer, not for single layer application, not for roof gardens.	No. of European Standard with the date of version
External fire performance: Class F _{ROOF} (t2)	Description of the product
Reaction to fire: Class E	Information on Essential Characteristics
Tensile strength in longitudinal direction: 700 N/50 mm ± 50 N/50 mm	
Tensile strength in transverse direction: 500 N/50 mm ± 50 N/50 mm	
Elongation: 30 % ± 3 %	
Resistance to static loading: 20 kg	
Resistance to impact: NPD	
Tear resistance: NPD	
Flexibility at low temperature (pliability): -20 °C	
Durability: -10 °C ± 5 °C	
Watertightness: pass	
Root resistance: NPD	

Требования EN 13707 к кровельным материалам

Декларируемые характеристики по EN 13707

9. Declared performance

Technoelast K-TMS 170/3400

№	The indicator name		Test method	Unit of measure	Norm	Harmonised technical specification	
Полиэстр / Polyester, 170 g/m²							
1		Защита верхней стороны	Protection of the top side		See item number	EN 13707:2004+A2:2009	
2		Защита нижней стороны	Protection of the bottom side		2		
3	MLV	Длины	Rolls length,	EN 1848-1	mm		≥10000
4	MLV	Ширины	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		3,4-0,17
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, -20 °/ø 30 mm- upper face and lower face	EN 1109-1	°C		≤-20/30
10	MLV	Испытание на теплостойкость	Flow resistance at elevated temperature +90 °C/2 h - upper face and lower face	EN 1110	°C		≥90
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		700/500 ±100
13	MLV	Стабильность размеров	Dimensional stability, +80 °C/24 h, L, method B	EN 1107-1	%		≤±0,6
14	MDV	Сопротивления на распространение трещин (при помощи штифта)	Nail shank tear resistance, L/T	EN 12310-1	N		180/180 ±30
15	Pass	Водонепроницаемость	Watertightness	EN 1928	kPa		300
16		Пожарные испытания	External fire exposure	EN 13501-5 ENV			B _{ROOF} (t2)
17		Паропроницаемость	Determination of water vapor transmission properties	EN 1931	—		μ=20000
Properties after artificial ageing/ EN 1296. 12 weeks at +70 °C							
18	MDV	Теплостойкость	Flow resistance at elevated temperature +80 °C/2 h - upper face	EN 1110	°C		≥80
19	MDV	Гибкость в холодном состоянии	Cold flexibility, -15 °/ø 30 mm- upper face and lower face	EN 1109-1	°C	≤-10/30	

Это часть декларации качественных характеристик производителя, где приведены конкретные значения, за которые мы несем ответственность.



ОЦЕНКА СООТВЕТСТВИЯ

Оценка соответствия кровельных материалов в Европе

Обязанности производителя и нотифицированного органа	Схема подтверждения соответствия				
	4	3	2+	1	1+
Производитель					
Контроль производства на предприятии	+	+	+	+	+
Исходные испытания типа изделия	+	(+)	+	(+)	(+)
Дальнейшие испытания образцов, отобранных на предприятии изготовителя в соответствии с подготовленным планом испытаний	(+)	+	+	+	+
Нотифицирующий орган					
Исходные испытания типа изделия	-	+	-	+	+
Контрольные испытания образцов, отобранных на предприятии или стройплощадке (в ходе аудита)	-	-	-	-	+
Первоначальная проверка предприятия и контроль производства на предприятии	-	-	+	+	+
Регулярный контроль, оценка и подтверждение контроля производства на предприятии	-	-	+	+	+

Европейский орган по сертификации осуществляет оценку производства на стабильность качества выпускаемой продукции – начальную и периодический (один раз в год) инспекционный контроль.

Производитель наделен правом самостоятельного выпуска и публикации деклараций на собственном сайте, без проведения испытаний продукции органом по сертификации.

Практика поставок в ЕС

Сертификат на производство по EN 13707 и декларация производителя

Notified Body No 1023
INSTITUTE FOR TESTING AND CERTIFICATION, Plc
 Trnava Tomaseviciho 299, Louky, 763 02 Zlin, CZECH REPUBLIC

**CERTIFICATE OF CONFORMITY
 OF THE FACTORY PRODUCTION CONTROL**

No 1023-CPR-0660 F

Construction product type: **Reinforced bitumen sheets for roof waterproofing**

Placed on the market under the name or trade mark of: **OOO „TechnoNICOL VYBORG“**
 Leningradskaya region Vyborg, street Ruberoidnaya, house 7, 188804 Vyborg, Russia

Relevant standard(s): **EN 13707:2004+A2:2009** Flexible sheets for waterproofing - Reinforced bitumen sheets for roof waterproofing - Definitions and characteristics

Final Report No: **753501431 / 2017**

Certificate first issued on: **2015-07-08**

Notified Body No 1023, in compliance with Regulation (EU) No 305/2011 (CPR), attests that:

- All provisions relating to the Assessment and Verification of Constancy of Performance (AVCP) described in Annex ZA of the above harmonized standard(s) under **AVCP system 2+** have been applied
- The Factory Production Control has been assessed to be in conformity with the applicable requirements

The findings from the initial inspection of the manufacturing plant and factory production control are summarized in the above mentioned Final Report.

This certificate remains valid as long as neither the harmonised standard, the construction product, the AVCP methods, nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the Notified Body.

Dr Radomir ČEVELIK
 Representative of Notified Body No 1023

2017-01-23
 Replaces the withdrawn certificate 1023-CPR-0660 F issued on 2016-09-14

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DECLARATION OF PERFORMANCE
 No. 006-02-CPR-2013-12-19

1. Unique identification code of the product-type:
Product elastomeric modified reinforced bitumen sheet Technoelast K-TMS 170/3400

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

Technoelast K-TMS 170/3400		
Size	Protective coating	Product number
1,0 x 10 m	sand-sand	09106277

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 of the ventilated under 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. Can be used as under layer for a bitumen shingle with mechanical fastening. Not recommended to use as one-layer roofing cladding or one-layer waterproofing.

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, Moscow 129110, RUSSIA
 Tel. +74959255575
 Fax. +74959805249
 Email: europa@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. 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 on June 27.2013;
 updated certificate №0809-CPR-1033 on December 19.2013

Building the best together!

9. Declared performance
Technoelast K-TMS 170/3400

No	The indicator name	Test method	Unit of measure	Norm	Harmonised technical specification	
Полиэстр / Polyester, 170 g/m²						
1	Защита верхней стороны	Protection of the top side			See item number 2	
2	Защита нижней стороны	Protection of the bottom side				
3	МДУ	Rolls length	м	EN 1348-3	≥3000	
4	МДУ	Rolls width	м	EN 1348-3	≥3000	
5	Толщина	Thickness	мм	EN 1348-3	≥2,0	
6	МДУ	Масса на единицу площади	кг/м ²	EN 1348-3	≥4,4-5,7	
7	МДУ	Толщина	мм	EN 1348-3	≥2,0	
8	Видимые дефекты	Visible defects		EN 1348-3	Visible defects	
9	МДУ	Гибкость в холодное состояние	Cold flexibility, -20 °C 30 min- upper face and lower face	EN 1339-1	°C	≤ 90/98
10	МДУ	Испытание на теплоустойчивость	Flow resistance at elevated temperature +80 °C/2 h- upper face and lower face	EN 1213	°C	100
11	МДУ	Остаточная деформация	Distortion, LT	EN 1213-3	%	50/50 ±15
12	МДУ	Разрывная нагрузка	Tensile strength, LT	EN 1213-3	N/50mm	750/300 ±100
13	МДУ	Стойкость к разрыву	Dimensional stability, +80 °C/24 h, L, method B	EN 1307-1	%	±10,0
14	МДУ	Сопоставление на разрывные нагрузки при механическом воздействии	Tear strength, tear resistance, LT	EN 1213-1	N	180/300 ±30
15	Проц	Водонепроницаемость	Waterproofness	EN 1330	м	100
16	Проц	Внешнее сопротивление	External fire exposure	EN 13501-0	EN	Non0/1
17	Проц	Паронепроницаемость	Determination of water vapor transmission coefficient	EN 1591	—	≤ 2000
Properties after artificial ageing/ EN 1296, 12 weeks at +50 °C						
18	МДУ	Теплоустойчивость	Flow resistance at elevated temperature +80 °C/2 h- upper face	EN 1213	°C	100
19	МДУ	Гибкость в холодное состояние	Cold flexibility, -15 °C/ 30 min- upper face and lower face	EN 1339-1	°C	≤ 10/98

Dangerous substances:
 Does not include 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: Vladimir Savenkov
 (name and function)

19.12.2013
 (place and date of issue)

(signature)

Практика поставок в ЕС

Обеспечение публичности деклараций



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CERTIFICATES | Flexible sheets for waterproofing

	Vyborg	Technoflex	Osipovichi	MDA LT
EN 13707:2004 Reinforced bitumen sheets for roof waterproofing.	  			
EN 13969:2004 Bitumen damp proof sheets including bitumen basement tanking sheets.	 			
EN 14695:2010 Reinforced bitumen sheets for waterproofing of concrete bridge decks and other trafficked areas of concrete.				

TECHNICAL DOCUMENTATION | Synthetic membranes LOGICROOF

	lt	en
LOGICROOF V-RP 1.2		
LOGICROOF V-RP 1.5		
LOGICROOF V-RP 1.8		
LOGICROOF V-RP 2.0		

СПАСИБО ЗА ВНИМАНИЕ!

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ППРОФЕССИОНАЛЬНЫЕ КОНСУЛЬТАЦИИ