



Notified Body No 1023  
**INSTITUTE FOR TESTING AND CERTIFICATION, Plc**  
Trida Tomase Bati 299, Louky, 763 02 Zlin, CZECH REPUBLIC

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

## **No 1023–CPR–0620 F**

Construction product type: **Self-adhesive sealing and waterproofing  
bitumen-polymer band**  
Type: **NICOBAND, NICOBAND INSIDE, NICOBAND DUO**

Produced by: **TechnoNIKOL Voskresensk, Ltd.**  
**Promploschadka, 5V, 140204 Voskresensk,**  
**Russian Federation**

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

Final Report No: **753501065 / 2014**

Certificate first issued on: **2014-10-07**

Notified Body No 1023, in accordance with the Regulation (EU) No 305/2011 as amended,  
confirms that:

- All provisions relating to the assessment and verification of constancy of performance described in Annex ZA of the above harmonized standards under the system 2+ are applied
- The Factory Production Control meets all the above mentioned requirements.

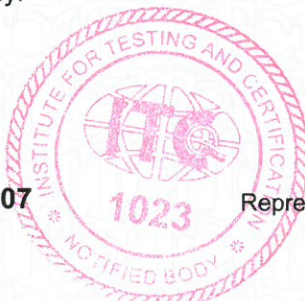
Description of the product and its parameters as well as findings from the inspection of the manufacturing plant are mentioned in the above mentioned Final Report.

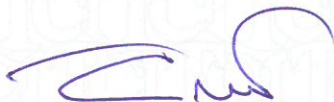
This certificate remains valid as long as the test methods and/or factory production control requirements included in the above mentioned harmonised standard(s), used to assess the performance of the declared characteristics, do not change, and the product, and the manufacturing conditions in the plant are not modified significantly.



Date of issue:

**2014-10-07**



  
RNDr. Radomir Čevelík  
Representative of Notified Body No 1023





## INSTITUTE FOR TESTING AND CERTIFICATION

třída Tomáše Bati 299, Louky, 763 02 Zlín

# FINAL REPORT

No: 753501065 / 2014

**Applicant:** TechnoNIKOL Voskresensk, Ltd.

**Address:** Promploschadka, 5V, 140204 Voskresensk,  
Russian Federation

**Products:** Self-adhesive sealing and waterproofing  
bitumen-polymer band

**Type:**

NICOBAND, NICOBAND INSIDE, NICOBAND DUO

**Certification carried out by:** Petr Karlík  
Michal Zytka

**Date of issue:** 2014-10-07



A blue ink signature of RNDr. Radomír Čevelík, written in a cursive style.

RNDr. Radomír Čevelík  
Representative of the NB



## Introduction

Flexible sheets for waterproofing as construction products are assessed on the basis of relevant clauses of the Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011 laying down harmonised conditions for the marketing of construction products and repealing Council Directive 89/106/EEC (hereafter CPR; Construction Products Regulation).

## 1. Products specification

Product - **NICOBAND , NICOBAND INSIDE, NICOBAND DUO**, manufacturer *TechnoNIKOL Voskresensk, Ltd.*, are self-adhesive sealing and waterproofing bitumen-polymer band with a wide application in construction.

Sheets are manufactured in the factory

**TechnoNIKOL Voskresensk, Ltd., Promploschadka, 5V, 140204 Voskresensk, Russian Federation.**

Applicability of the products is described in the relevant technical specifications.

## 2. Assessment and verification of constancy of performance (AVCP)

### 2.1 Harmonized technical specification and the AVCP system

For the attestation of conformity of flexible sheets for waterproofing with the essential requirements of the CPR the harmonized standard EN 13707:2004+A2:2009 „Flexible sheets for waterproofing – Reinforced bitumen sheets for roof waterproofing“ were adopted.

For these products the system of the Assessment and Verification of Constancy of Performance (AVCP) 2+ is laid down, which corresponds to Annex V, cl. 1.3 of the CPR, including certification of conformity of the factory production control by a Notified Body on the basis of initial inspection of the manufacturing plant and of factory production control as well as of its continuous surveillance, assessment and evaluation of factory production control; in compliance with the Annexes ZA to the above mentioned standards (“Clauses of this European Standard addressing the provisions of the EU Construction Products Directive”), Tables ZA.2.

The AVCP is, in compliance with provisions of the Tables ZA.2 of the mentioned harmonized standards carried out with the application of the clause 6.2 and relevant parts of the Annexes A and B to EN 13707+A2:2009.

### 2.2 Properties specifying the essential characteristics

The essential characteristics are, in accordance with the corresponding clauses of the ZA Annexes to EN 13707+A2:2009, the following properties:





## INSTITUTE FOR TESTING AND CERTIFICATION

Notified Body 1023  
763 02 Zlín, Czech Republic

State Authorised Body No. 224 • Notified Body No. 1023 • Accredited Testing Laboratory • Products' and QMS Certification Body • Inspection Body

Ref. No. **753501065 / 2014**  
Page 3 of 9

- Reaction to fire – classification according to EN 13501-1
- Watertightness in compliance with EN 1928, method A or B
- Tensile strength and elongation at break (EN 13707), longitudinal and transversal, in compliance with EN 12311-1
- Resistance to root penetration according to EN 13948 (only sheets for roof gardens, EN 13707)
- Impact resistance according to EN 12691, method A (sheets for single layer applications and for roof gardens or under heavy protection acc. to EN 13707;)
- Resistance to static loading in accordance with EN 12730, method A (EN 13707: for the same types of sheets as in the previous case)
- Resistance to tearing (nail shank) according to EN 12310-1 (EN 13707, for mechanically bonded layers;)
- Joint strength in accordance with EN 12317-1 (EN 13707, only sheets for single layer applications;)
- Artificial ageing according to EN 1296 and EN 1109 - evaluation of flexibility at low temperature after 12 weeks of ageing (EN 13707, top layers with constant light protection and for sheets used for single layer applications)
- Artificial ageing according to EN 1296 and EN 1109 - evaluation of flow resistance at elevated temperature after 12 weeks of ageing (EN 13707, top layers with constant light protection and for sheets used for single layer applications)
- Artificial ageing according to EN 1296 and EN 1928 - evaluation of watertightness before and after 12 weeks of ageing
- Resistance to chemicals according to EN 1847 and EN 1928
- Flexibility at low temperature in accordance with EN 1109

### 2.3 Place, time and method of sampling

The samples were taken in the manufacturer's site by his representatives, subsequently sent to ITC by post and taken over in the testing laboratory of NB 1023 ITC, a. s. Zlín.

### 2.4 Samples description and identification

Self-adhesive sealing and waterproofing bitumen-polymer band

**Type: NICOBAND , NICOBAND INSIDE, NICOBAND DUO**

The manufacturer delivered as a sample 1 m<sup>2</sup> of the product.

### 2.5 Place and date of the tests

The tests were performed in the laboratories of the Institut pro testování a certifikaci, a.s. – NB 1023 in Zlín, 8. 9. - 6. 10. 2014.



### 3. Testing of reaction to fire in the NB 1023 laboratories

The notified body No. 1023 (NB's task) carried out determination of the following property:

- Reaction to fire, classification according to EN 13501-1+A1:2009 with the use of the test method EN ISO 11925-2/AC:2011 Reaction-to-fire-tests - Ignitability of building products subjected to direct impingement of flame – Part 2: Single-flame source test.

**Test equipment:**

Combustion chamber, mechanical stop-watch, burner according to EN ISO 11925-2, metal length gauge.

**Conditioning:**

Temperature: 23°C, relative humidity: 50%, 72 hours.

**Test conditions:**

Temperature 23°C, position of the sample: vertical; heating medium: propane; flame height: 20 mm; burner position: 45°; flame application time: 15 s; test specimens: area of (250 x 90) mm, 10 pieces

Exposure conditions: surface exposure according to clause 7.3.3.1 of the standard  
Detector – filter paper

#### 3.1 Test results

Test results are presented in the following Table 1-3, together with the comments describing test process.

**Table 1: NICOBAND**

Characteristics measured	Unit	Measurements obtained				
		Test specimen				
		No. 1	No. 2	No. 3	No. 4	No. 5
Ignition of the sample: YES/NO	-	NO	NO	NO	NO	NO
Flame reached the test (gauge) mark at the distance of 150 mm: YES/NO	-	NO	NO	NO	NO	NO
Time taken to burn the distance of 150 mm	s	-	-	-	-	-
Ignition of the filter paper: YES/NO	-	NO	NO	NO	NO	NO





## INSTITUTE FOR TESTING AND CERTIFICATION

Notified Body 1023  
763 02 Zlín, Czech Republic

State Authorised Body No. 224 • Notified Body No. 1023 • Accredited Testing Laboratory • Products' and QMS Certification Body • Inspection Body

Ref. No. 753501065 / 2014  
Page 5 of 9

### Observations during the test:

Test specimens did not ignite during the test. Neither burning residues nor particles fell off and therefore the filter paper placed beneath the test specimen didn't ignite. The specimens were a little bit damaged after the testing – slight melted trace of the flame.

**Table 2: NICOBAND INSIDE**

Characteristics measured	Unit	Measurements obtained				
		Test specimen				
		No. 1	No. 2	No. 3	No. 4	No. 5
Ignition of the sample: YES/NO	-	NO	NO	NO	NO	NO
Flame reached the test (gauge) mark at the distance of 150 mm: YES/NO	-	NO	NO	NO	NO	NO
Time taken to burn the distance of 150 mm	s	-	-	-	-	-
Ignition of the filter paper: YES/NO	-	NO	NO	NO	NO	NO

### Observations during the test:

Test specimens did not ignite during the test. Neither burning residues nor particles fell off and therefore the filter paper placed beneath the test specimen didn't ignite. The specimens were a little bit damaged after the testing – slight melted trace of the flame.

**Table 3: NICOBAND DUO**

Characteristics measured	Unit	Measurements obtained				
		Test specimen				
		No. 1	No. 2	No. 3	No. 4	No. 5
Ignition of the sample: YES/NO	-	NO	NO	NO	NO	NO
Flame reached the test (gauge) mark at the distance of 150 mm: YES/NO	-	NO	NO	NO	NO	NO
Time taken to burn the distance of 150 mm	s	-	-	-	-	-
Ignition of the filter paper: YES/NO	-	NO	NO	NO	NO	NO

### Observations during the test:

Test specimens did not ignite during the test. Neither burning residues nor particles fell off and therefore the filter paper placed beneath the test specimen didn't ignite. The specimens were a little bit damaged after the testing – slight melted trace of the flame.



### **3. 2 Classification of the products by reaction to fire**

#### **3.2.1 Classification procedure**

It was taken into account that the manufacturer declared Class E for all the tested products.

Classification was performed in accordance with the clause 11.2, 11.3 and 11.10.2 of the standard EN 13501-1+A1 "Fire classification of construction products and building elements – Part 1: Classification using test data from reaction to fire tests".

#### **Requirement:**

Being tested according to EN ISO 11925-2, under conditions of surface flame attack, with 15 s exposure time, there shall be no flame spread in excess of 150 mm vertically from the point of application of the test flame within 20 s from the time of application.

#### **3.2.2 Construction products classification**

All the products meet the requirements for classification into the **class E** by reaction to fire according to EN 13501-1+A1.

### **4. Initial assessment of factory production control (FPC)**

#### **4.1 Date and locality of the assessment**

The assessment of FPC was carried out on 28.4.2009 by the representative of the NB 1023, Mr. Petr Karlik, in the production site and in the offices of the company, TechnoNIKOL Voskresensk, Ltd., Promploschadka, 5V, 140204 Voskresensk, Russian Federation.

Representatives of the company:

- ♦ Mr. Jurij Gorelov
- ♦ Ms. Natalija Ivanova

#### **4.2 Scope of the assessment**

A compliance of the following segments of the factory production control with the requirements of EN 13707+A2:2009 was audited:

- Organisation structure and management representative
- Internal audits
- Personnel involved in factory production control
- Employees' training
- Document control
- Corrective actions
- Management of non-conformities
- Purchasing



## INSTITUTE FOR TESTING AND CERTIFICATION

Notified Body 1023  
763 02 Zlín, Czech Republic

State Authorised Body No. 224 • Notified Body No. 1023 • Accredited Testing Laboratory • Products' and QMS Certification Body • Inspection Body

Ref. No. **753501065 / 2014**  
Page 7 of 9

- Process control
- Production equipment
- Production area
- Products traceability
- Measuring and test equipment, test procedures and conditions, quality records, calibration, verification
- Storage
- Packaging and delivery

### 4.3 Conclusion from the initial inspection of FPC

It was confirmed that the factory production control was efficient and that it met all the relevant requirements of the standards EN 13707+A2:2009.

## 5. Information about a scope of the surveillance

The bitumen sheets will undergo an annual surveillance. Once per year NB 1023 in the factory will make an inspection including surveillance and assessment of the FPC operated by the manufacturer.

## 6. Annual inspection of the factory production control (FPC)

### 6. 1 Date and locality of the assessment

The assessment of FPC was performed on 17/06/2014 by the representative of the NB 1023, Mr. Milan Kovář, in the production site and in the offices of the company, Promploschadka, 5V, 140204 Voskresensk, Russian Federation.

Representatives of the company:

Mr. Shatmurat Ramilevich Gimranov – General Manager;

Ms. Vera Finanshina – Laboratory manager, FPC representative;

Mr. Petr Čiháček – representative of the Czech company Dehtochema-TN a.s., one part of the TechnoNIKOL corporation

### 6. 2 Scope of the assessment

A compliance of the following segments of the factory production control with the requirements of EN 13707:2004+A2:2009 was audited, especially in comparison with the state found in the last year during the surveillance inspection:

- Internal audits
- Employees' training
- Document control
- Corrective actions





## INSTITUTE FOR TESTING AND CERTIFICATION

Notified Body 1023  
763 02 Zlín, Czech Republic

State Authorised Body No. 224 • Notified Body No. 1023 • Accredited Testing Laboratory • Products' and QMS Certification Body • Inspection Body

Ref. No. **753501065 / 2014**  
Page 8 of 9

- Management of non-conformities
- Purchasing
- Process control
- Production equipment
- Production area
- Products traceability
- Measuring and test equipment, test procedures and conditions, quality records, calibration, verification
- Storage, packaging and delivery
- CE-marking

### 6.3 Submitted documentation

During the assessment the following documentation of the factory production control was presented:

- a) Rukavodstvo po kachestvu (Quality Manual), 11/09/2009
- b) Certificate No. Q-28.06.27a, ACERT Bureau, Sankt Peterburg, Russia, 29/12/2012
- c) Final meeting report (04/12/2013) related to the surveillance audit made on 26/10/2013 according to ISO 9001:2008
- d) Organizational chart ("Otvetstvennost rukavodstva") (02/05/2012)
- e) Non-conforming products instruction (30/10/2009)
- f) Internal Audits Plan for 2014
- g) Internal Audit Reports
- h) Training Plan for 2014
- i) List of qualified suppliers
- j) Specification for raw materials
- k) Technical sheets of finished products
- l) Quality Plan
- m) Quality Records
- n) CE-marking labels
- o) Calibration Plan /Grafik poverki (kalibrovki) sredstv izmereniy/ for 2014
- p) Nonconforming products control (09/12/2013)
- q) Contract No. 198/2014 with "State regional Centre for Standardization, Metrology and Testing of Moscow region, branch in Kolomna" on informational service

## 7. Conclusions

It was confirmed, that the factory production control was efficient and met all the relevant requirements of the standards EN 13707:2004+A2:2009.



## INSTITUTE FOR TESTING AND CERTIFICATION

Notified Body 1023  
763 02 Zlín, Czech Republic

State Authorised Body No. 224 • Notified Body No. 1023 • Accredited Testing Laboratory • Products' and QMS Certification Body • Inspection Body

Ref. No. **753501065 / 2014**

Page 9 of 9

**The certified products meet the requirements necessary to issue Certificate of Conformity of the factory production control by the Notified Body 1023.**

### 8. List of the documents used for Final Report elaborating

- Application for certification No. 753501065
- EN 13707:2004+A2:2009 „Flexible sheets for waterproofing – Reinforced bitumen sheets for roof waterproofing“
- ANNUAL INSPECTION REPORT No: 343504403 / 2014, ITC, a. s. Zlín – NB 1023
- Test report No. 753501065/01, issued by the Accredited Testing Laboratory No 1004, ITC Zlín