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FIRE AND RESCUE DEPARTMENT UNDER THE MINISTRY OF THE INTERIOR OF THE  
REPUBLIC OF LITHUANIA**FIRE RESEARCH CENTRE**  
**PRODUCTS RESEARCH DIVISION****1. Introduction**

This classification report defines the classification assigned to “TECHNONICOL SHINGLAS multilayer roofing shingles CONTINENT” (alternative product name – “Gont laminowany KONTYNENT”) in accordance with procedures given in LST EN 13501-1:2007+A1:2010

**CLASSIFICATION OF REACTION TO FIRE**  
**IN ACCORDANCE WITH LST EN 13501-1:2007+A1:2010**

**Customer:** LLC „Zavod Shinglas“  
Vostochny Promuzel 21, Bld. 58, Ryazan, Russia  
Ph. +7 4912 911228

**Prepared by:** Fire Research Centre  
Švitrigailos str. 18, LT-03223 Vilnius, Lithuania

**Notified Body No.:** **1796**

**Product name:** “TECHNONICOL SHINGLAS multilayer roofing shingles CONTINENT” (alternative product name – “Gont laminowany KONTYNENT”)

**Classification report No.:** 20-15.2017.24N

**Issue number:** Exemplar No. 1 (*Classification report was prepared only in English*)

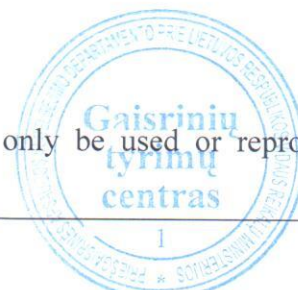
**Date of issue:** 30<sup>th</sup> of October 2017

**Base:** Contract of work performance No. 57-75(2GB/2KL), 21<sup>st</sup> of September 2017.  
Request for assessment of performance, reg. No. 54-12/17.

This classification report consists of three pages and may only be used or reproduced in its entirety.

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Products Research Division  
Miško str. 7, Valčiūnai vil.,  
LT-13221 Vilnius distr.  
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## 2. Details of classified product

### 2.1 General

The product, "TECHNONICOL SHINGLAS multilayer roofing shingles CONTINENT" (alternative product name – "Gont laminowany KONTYNENT"), is defined as multilayer bitumen shingles with mineral reinforcement in accordance with LST EN 544:2011.

### 2.2 Product description

In accordance with manufacturer declaration multilayer bitumen shingles composed of 3 layers bitumen shingles with the same composition, glued together with bitumen-polymeric mass. Every layer is composed of fiberglass reinforcement (nominal weight 110 g/m<sup>2</sup>), from both sides covered with oxidized bitumen mass. Top side of the shingle is covered with mineral granules (basalt), under side is covered with sand. Total mass of bitumen of all layers (3000 ± 50) g/m<sup>2</sup>. Nominal thickness of each layer of shingle is (3,2 ± 0,2) mm.

## 3. Reports and results in support of classification

### 3.1 Reports

Name of Laboratory	Name of sponsor	Report ref. no.	Test method and date Field of application rules and date
Fire Research Centre Products Research Division	LLC „Zavod Shinglas“	20-31.2017.5	LST EN ISO 11925-2:2010

### 3.2 Results

Test method and test number	Parameter	No. tests	Results	
			Continuous parameter – mean (m)	Compliance with parameters
LST EN ISO 11925-2 Surface flame attack Flame exposition period 15 s	F <sub>s</sub> ≤ 150 mm within 20 s	6	Yes	Compliant
	Ignition of filter paper		No	Compliant
LST EN ISO 11925-2 Edge flame attack Flame exposition period 15 s	F <sub>s</sub> ≤ 150 mm within 20 s	6	Yes	Compliant
	Ignition of filter paper		No	Compliant

## 4. Classification and field of application

### 4.1 Reference of classification

This classification has been carried out in accordance with LST EN 13501-1:2007+A1:2010 chap. 11.

### 4.2 Classification

The product, "TECHNONICOL SHINGLAS multilayer roofing shingles CONTINENT" (alternative product name – "Gont laminowany KONTYNENT"), in relation to its reaction to fire behaviour is classified:

**E**

The format of reaction to fire classification construction products excluding flooring and linear pipe thermal insulation products is:

Fire behaviour	Smoke production	Flaming droplets
E	-	-

i.e. **E**.

**Reaction to fire classification: E**





### 4.3 Field of application

This classification is valid for the product parameters described in chapter 2.2

### 5. Limitations

This classification document does not represent certification of the product.

The classification assigned to the product in this report is appropriate to a declaration of performance by the manufacturer within the context of AVoCP (assessment and verification of constancy of performance) system 3 and CE marking under the Construction Product Regulation (EU) No. 305/2011.

The manufacturer has made a declaration, which is held on file. This confirms that the products design requires no specific processes, procedures or stages that are aimed at enhancing the fire performance in order to obtain the classification achieved. As a consequence the manufacturer has concluded that AVoCP system 3 is appropriate.

The test laboratory has, therefore, played no part in sampling the product for the test, although it holds appropriate references, supplied by the manufacturer, to provide for traceability of the samples tested and manufacturer obligation for ensuring a future stability of production submitted for assessment of performance and informing immediately Products Research Division of FRC when we will change the design of the product.

### 4.3 Field of application

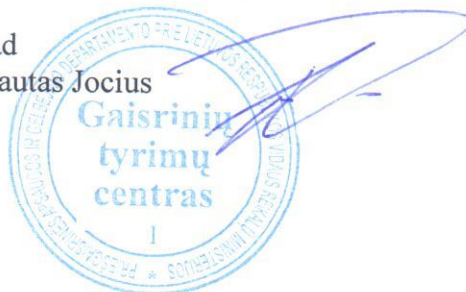
Classification Report prepared by:

Chief specialist  
Aurelija Kinduriene



Classification Report approved by:

Head  
Vytautas Jocius





PRD

FIRE AND RESCUE DEPARTMENT UNDER THE MINISTRY OF THE INTERIOR OF THE  
REPUBLIC OF LITHUANIA**FIRE RESEARCH CENTRE**  
**PRODUCTS RESEARCH DIVISION****1. Introduction**

This classification report defines the classification assigned to “TECHNONICOL SHINGLAS multilayer roofing shingles WESTERN” (alternative product name – “Gont laminowany WESTERN”) in accordance with procedures given in LST EN 13501-1:2007+A1:2010

**CLASSIFICATION OF REACTION TO FIRE**  
**IN ACCORDANCE WITH LST EN 13501-1:2007+A1:2010**

**Customer:** LLC „Zavod Shinglas“  
Vostochny Promuzel 21, Bld. 58, Ryazan, Russia  
Ph. +7 4912 911228

**Prepared by:** Fire Research Centre  
Švitrigailos str. 18, LT-03223 Vilnius, Lithuania

**Notified Body No.:** **1796**

**Product name:** “TECHNONICOL SHINGLAS multilayer roofing shingles WESTERN” (alternative product name – “Gont laminowany WESTERN”)

**Classification report No.:** 20-14.2017.24N

**Issue number:** Exemplar No. 1 (*Classification report was prepared only in English*)

**Date of issue:** 30<sup>th</sup> of October 2017

**Base:** Contract of work performance No. 57-75(2GB/2KL), 21<sup>st</sup> of September 2017.  
Request for assessment of performance reg. No. 54-11/17.

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Ph./fax.: +370 5 249 1315



The European Group  
of Organisations for Fire Testing  
Inspection and Certification



## 2. Details of classified product

### 2.1 General

The product, "TECHNONICOL SHINGLAS multilayer roofing shingles WESTERN" (alternative product name – "Gont laminowany WESTERN"), is defined as multilayer bitumen shingles with mineral reinforcement in accordance with LST EN 544:2011.

### 2.2 Product description

In accordance with manufacturer declaration multilayer roofing shingles composed of 2 layers bitumen shingles with the same composition, glued together with bitumen-polymeric mass. Every layer is composed of fiberglass reinforcement (nominal weight 110 g/m<sup>2</sup>), from both sides covered with oxidized bitumen mass. Top side of the shingle is covered with mineral granules (basalt), under side is covered with sand. Total mass of bitumen of all layers (2500 ± 50) g/m<sup>2</sup>. Nominal thickness of each layer of shingle is (3,0 ± 0,2) mm.

## 3. Reports and results in support of classification

### 3.1 Reports

Name of Laboratory	Name of sponsor	Report ref. no.	Test method and date Field of application rules and date
Fire Research Centre Products Research Division	LLC „Zavod Shinglas“	20-30.2017.5	LST EN ISO 11925-2:2010

### 3.2 Results

Test method and test number	Parameter	No. tests	Results	
			Continuous parameter – mean (m)	Compliance with parameters
LST EN ISO 11925-2 Surface flame attack Flame exposition period 15 s	F <sub>s</sub> ≤ 150 mm within 20 s	6	Yes	Compliant
	Ignition of filter paper		No	Compliant
LST EN ISO 11925-2 Edge flame attack Flame exposition period 15 s	F <sub>s</sub> ≤ 150 mm within 20 s	6	Yes	Compliant
	Ignition of filter paper		No	Compliant

## 4. Classification and field of application

### 4.1 Reference of classification

This classification has been carried out in accordance with LST EN 13501-1:2007+A1:2010 chap. 11.

### 4.2 Classification

The product, multilayer roofing shingles "TECHNONICOL SHINGLAS multilayer roofing shingles WESTERN" (alternative product name – "Gont laminowany WESTERN"), in relation to its reaction to fire behaviour is classified:

**E**

The format of reaction to fire classification construction products excluding flooring and linear pipe thermal insulation products is:

Fire behaviour	Smoke production	Flaming droplets
E	-	-

i.e. E.

**Reaction to fire classification: E**



### 4.3 Field of application

This classification is valid for the product parameters described in chapter 2.2

### 5. Limitations

This classification document does not represent certification of the product.

The classification assigned to the product in this report is appropriate to a declaration of performance by the manufacturer within the context of AVoCP (assessment and verification of constancy of performance) system 3 and CE marking under the Construction Product Regulation (EU) No. 305/2011.

The manufacturer has made a declaration, which is held on file. This confirms that the products design requires no specific processes, procedures or stages that are aimed at enhancing the fire performance in order to obtain the classification achieved. As a consequence the manufacturer has concluded that AVoCP system 3 is appropriate.

The test laboratory has, therefore, played no part in sampling the product for the test, although it holds appropriate references, supplied by the manufacturer, to provide for traceability of the samples tested and manufacturer obligation for ensuring a future stability of production submitted for assessment of performance and informing immediately Products Research Division of FRC when we will change the design of the product.

### 4.3 Field of application

Classification Report prepared by:

Chief specialist  
Aurelija Kinduriene



Classification Report approved by:

Head  
Vytautas Jocius







DBS

FIRE AND RESCUE DEPARTMENT UNDER THE MINISTRY OF THE INTERIOR OF  
THE REPUBLIC OF LITHUANIA

**FIRE RESEARCH CENTRE**  
**REACTION TO FIRE TESTING DIVISION**

### 1. Introduction

This classification report defines the classification assigned to multilayer bitumen shingles "SHINGLAS JAZZ", "SHINGLAS COUNTRY", "TILERCAT QUADRO" in accordance with procedures given in LST EN 13501-1:2007+A1:2010.

**CLASSIFICATION OF REACTION TO FIRE**  
**IN ACCORDANCE WITH LST EN 13501-1:2007+A1:2010**

**Customer:** "Zavod Shinglas" LLC  
390000, Vostochniy Promuzel, 21, Bld. 58, Ryazan, Russia  
Ph. +7 4912 911228  
Fax. +7 4912 911221

**Prepared by:** Fire Research Centre, Lithuania

**Notified Body No.:** **1796**

**Product name:** Multilayer bitumen shingles "SHINGLAS JAZZ", "SHINGLAS COUNTRY", "TILERCAT QUADRO".

**Classification report No.:** 20-2.2014.24N

**Issue number:** Exemplar No. 1 (*Classification report was prepared only in English*)

**Date of issue:** 7 February 2014

**Base:** Contract No. 57-185 (3GB/3KL) of 20 January 2014  
Request for assessment of performance reg. No. 54-14.

This classification report consists of three pages and may only be used or reproduced in its entirety.

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Member

## 2. Details of classified product

### 2.1 General

The product, "SHINGLAS JAZZ", "SHINGLAS COUNTRY", "TILERCAT QUADRO", is defined as multilayer bitumen shingles with mineral reinforcement in accordance with LST EN 544:2011.

### 2.2 Product description

In accordance with declaration of manufacturer multilayer bitumen shingles "SHINGLAS JAZZ", "SHINGLAS COUNTRY", "TILERCAT QUADRO" are composed of 2 layers of bitumen shingles with the same composition, glued together with bitumen-polymeric mass. Each layer of the shingles has fibre glass reinforcement, from both sides covered with bitumen mass. Top side of the shingles is covered with mineral granules (basalt), under side is covered with sand. Total mass of bitumen ( $1550 \pm 50$ ) g/m<sup>2</sup>. Thickness of each layer of shingles "SHINGLAS JAZZ" is ( $3,0 \pm 0,2$ ) mm; thickness of each layer of shingles "SHINGLAS COUNTRY" and "TILERCAT QUADRO" is ( $2,7 \pm 0,2$ ) mm. All shingles may have different colours of basalt granules.

Tests according to standard LST EN ISO 11925-2 were performed only with the thickest shingles "SHINGLAS JAZZ", because in accordance with declaration of manufacturer shingles "SHINGLAS JAZZ", "SHINGLAS COUNTRY", "TILERCAT QUADRO" composition and mass of bitumen is the same, "SHINGLAS COUNTRY", "TILERCAT QUADRO" are produced with different trade names for different markets.

## 3. Test reports and test results in support of classification

### 3.1 Test reports

Name of Laboratory	Name of sponsor	Report ref. no.	Test method and date Field of application rules and date
Fire Research Centre Reaction to Fire Testing Division	"Zavod Shinglas" LLC	20-4.2014.5	LST EN ISO 11925-2:2010

### 3.2 Test results

Test method and test number	Parameter	No. tests	Results	
			Continuous parameter – mean (m)	Compliance with parameters
LST EN ISO 11925-2 Surface flame attack Flame exposition period 15 s	$F_s \leq 150$ mm within 20 s	6	Yes	Compliant
	Ignition of filter paper		No	Compliant
LST EN ISO 11925-2 Edge flame attack Flame exposition period 15 s	$F_s \leq 150$ mm within 20 s	6	Yes	Compliant
	Ignition of filter paper		No	Compliant

## 4. Classification and field of application

### 4.1 Reference of classification

This classification has been carried out in accordance with LST EN 13501-1:2007+A1:2010 chap. 11.

### 4.2 Classification

The product, "SHINGLAS JAZZ", "SHINGLAS COUNTRY", "TILERCAT QUADRO", in relation to its reaction to fire behaviour is classified:



The format of reaction to fire classification construction products excluding flooring and linear pipe thermal insulation products is:

Fire behaviour		Smoke production		Flaming droplets
E	-	-	-	-

i.e. E.

**Reaction to fire classification: E**

#### 4.3 Field of application

This classification is valid for the product parameters described in chapter 2.2

#### 5. Limitations

This classification document does not represent certification of the product.

The classification assigned to the product in this report is appropriate to a declaration of performance by the manufacturer within the context of AVoCP (assessment and verification of constancy of performance) system 3 and CE marking under the Construction Product Regulation (EU) No. 305/2011.

The manufacturer has made a declaration, which is held on file. This confirms that the products design requires no specific processes, procedures or stages that are aimed at enhancing the fire performance in order to obtain the classification achieved. As a consequence the manufacturer has concluded that AVoCP system 3 is appropriate.

The test laboratory has, therefore, played no part in sampling the product for the test, although it holds appropriate references, supplied by the manufacturer, to provide for traceability of the samples tested and manufacturer obligation for ensuring a future stability of production submitted for assessment of performance and informing immediately Reaction to Fire Testing Division of FRC when we will change the design of the product.

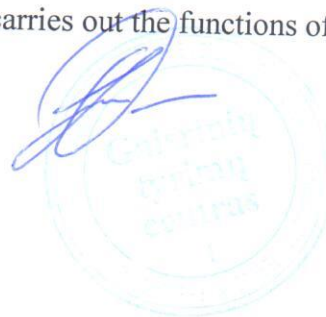
Classification Report prepared by:

Chief Specialist  
Aurelija Kinduriene



Classification Report approved by:

Chief Specialist, carries out the functions of the Chief  
Vytautas Jocius





DBS

FIRE AND RESCUE DEPARTMENT UNDER THE MINISTRY OF THE INTERIOR OF  
THE REPUBLIC OF LITHUANIA**FIRE RESEARCH CENTRE**  
**REACTION TO FIRE TESTING DIVISION****1. Introduction**

This classification report defines the classification assigned to bitumen shingles "SHINGLAS FLAMENCO", "SHINGLAS QUADRILLE", "SHINGLAS TANGO", "SHINGLAS TWIST", "SHINGLAS TRIO", "FINISH SHINGLES", "TILERCAT TRIO", "TILERCAT PRIMA", "TILERCAT OLA" in accordance with procedures given in LST EN 13501-1:2007+A1:2010.

**CLASSIFICATION OF REACTION TO FIRE**  
**IN ACCORDANCE WITH LST EN 13501-1:2007+A1:2010**

**Customer:** "Zavod Shinglas" LLC  
390000, Vostochniy Promuzel, 21, Bld. 58, Ryazan, Russia  
Ph. +7 4912 911228  
Fax. +7 4912 911221

**Prepared by:** Fire Research Centre, Lithuania

**Notified Body No.:** **1796**

**Product name:** Bitumen shingles "SHINGLAS FLAMENCO", "SHINGLAS QUADRILLE", "SHINGLAS TANGO", "SHINGLAS TWIST", "SHINGLAS TRIO", "FINISH SHINGLES", "TILERCAT TRIO", "TILERCAT PRIMA", "TILERCAT OLA".

**Classification report No.:** 20-4.2014.24N

**Issue number:** Exemplar No. 1 (*Classification report was prepared only in English*)

**Date of issue:** 7 February 2014

**Base:** Contract No. 57-185 (3GB/3KL) of 20 January 2014  
Request for assessment of performance reg. No. 54-16.

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FRC Reaction to Fire Testing Division  
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Vilnius distr., Lithuania  
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Ph./ fax.: +370 5 249 1315



Member



## 2. Details of classified product

### 2.1 General

The product, “SHINGLAS FLAMENCO”, “SHINGLAS QUADRILLE”, “SHINGLAS TANGO”, “SHINGLAS TWIST”, “SHINGLAS TRIO”, “FINISH SHINGLES”, “TILERCAT TRIO”, “TILERCAT PRIMA”, “TILERCAT OLA”, is defined as monolayer bitumen shingles with mineral reinforcement in accordance with LST EN 544:2011.

### 2.2 Product description

In accordance with declaration of manufacturer bitumen shingles “SHINGLAS FLAMENCO”, “SHINGLAS QUADRILLE”, “SHINGLAS TANGO”, “SHINGLAS TWIST”, “SHINGLAS TRIO”, “FINISH SHINGLES”, “TILERCAT TRIO”, “TILERCAT PRIMA”, “TILERCAT OLA” has fibre glass reinforcement, from both sides covered with oxidized bitumen mass of the same composition. Top side of the shingles is covered with mineral granules (basalt), under side is covered with sand. Mass of bitumen ( $1350 \pm 50$ ) g/m<sup>2</sup>, thickness ( $3,0 \pm 0,2$ ) mm. All shingles may have different colours of basalt granules.

Tests according to standard LST EN ISO 11925-2 were performed only with randomly chosen (from this product group) shingles “SHINGLAS QUADRILLE”, because in accordance with declaration of manufacturer shingles composition and mass of bitumen is the same, they are produced with different trade names for different markets or they are of the different cutting shape.

## 3. Test reports and test results in support of classification

### 3.1 Test reports

Name of Laboratory	Name of sponsor	Report ref. no.	Test method and date Field of application rules and date
Fire Research Centre Reaction to Fire Testing Division	“Zavod Shinglas” LLC	20-6.2014.5	LST EN ISO 11925-2:2010

### 3.2 Test results

Test method and test number	Parameter	No. tests	Results	
			Continuous parameter – mean (m)	Compliance with parameters
LST EN ISO 11925-2 Surface flame attack Flame exposition period 15 s	$F_s \leq 150$ mm within 20 s	6	Yes	Compliant
	Ignition of filter paper		No	Compliant
LST EN ISO 11925-2 Edge flame attack Flame exposition period 15 s	$F_s \leq 150$ mm within 20 s	6	Yes	Compliant
	Ignition of filter paper		No	Compliant

## 4. Classification and field of application

### 4.1 Reference of classification

This classification has been carried out in accordance with LST EN 13501-1:2007+A1:2010 chap. 11.

### 4.2 Classification

The product, “SHINGLAS FLAMENCO”, “SHINGLAS QUADRILLE”, “SHINGLAS TANGO”, “SHINGLAS TWIST”, “SHINGLAS TRIO”, “FINISH SHINGLES”, “TILERCAT TRIO”, “TILERCAT PRIMA”, “TILERCAT OLA”, in relation to its reaction to fire behaviour is classified:

E

The format of reaction to fire classification construction products excluding flooring and linear pipe thermal insulation products is:

Fire behaviour		Smoke production		Flaming droplets
E	-	-	-	-

i.e. E.

### Reaction to fire classification: E

#### 4.3 Field of application

This classification is valid for the product parameters described in chapter 2.2

#### 5. Limitations

This classification document does not represent certification of the product.

The classification assigned to the product in this report is appropriate to a declaration of performance by the manufacturer within the context of AVoCP (assessment and verification of constancy of performance) system 3 and CE marking under the Construction Product Regulation (EU) No. 305/2011.

The manufacturer has made a declaration, which is held on file. This confirms that the products design requires no specific processes, procedures or stages that are aimed at enhancing the fire performance in order to obtain the classification achieved. As a consequence the manufacturer has concluded that AVoCP system 3 is appropriate.

The test laboratory has, therefore, played no part in sampling the product for the test, although it holds appropriate references, supplied by the manufacturer, to provide for traceability of the samples tested and manufacturer obligation for ensuring a future stability of production submitted for assessment of performance and informing immediately Reaction to Fire Testing Division of FRC when we will change the design of the product.

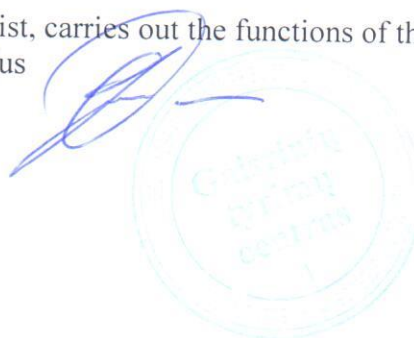
Classification Report prepared by:

Chief Specialist  
Aurelija Kinduriene



Classification Report approved by:

Chief Specialist, carries out the functions of the Chief  
Vytautas Jocius







DBS

FIRE AND RESCUE DEPARTMENT UNDER THE MINISTRY OF THE INTERIOR OF  
THE REPUBLIC OF LITHUANIA**FIRE RESEARCH CENTRE**  
**REACTION TO FIRE TESTING DIVISION****1. Introduction**

This classification report defines the classification assigned to bitumen shingles "SHINGLAS SAMBA", "SHINGLAS JIVE", "SHINGLAS FOXTROT", "HIP AND RIDGE" in accordance with procedures given in LST EN 13501-1:2007+A1:2010.

**CLASSIFICATION OF REACTION TO FIRE**  
**IN ACCORDANCE WITH LST EN 13501-1:2007+A1:2010**

**Customer:** "Zavod Shinglas" LLC  
390000, Vostochniy Promuzel, 21, Bld. 58, Ryazan, Russia  
Ph. +7 4912 911228  
Fax. +7 4912 911221

**Prepared by:** Fire Research Centre, Lithuania

**Notified Body No.:** 1796

**Product name:** Bitumen shingles "SHINGLAS SAMBA", "SHINGLAS JIVE",  
"SHINGLAS FOXTROT", "HIP AND RIDGE".

**Classification report No.:** 20-3.2014.24N

**Issue number:** Exemplar No. 1 (*Classification report was prepared only in English*)

**Date of issue:** 7 February 2014

**Base:** Contract No. 57-185 (3GB/3KL) of 20 January 2014  
Request for assessment of performance reg. No. 54-15.

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Valčiūnai vil., LT-13221  
Vilnius distr., Lithuania  
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Ph./ fax.: +370 5 249 1315



Member

## 2. Details of classified product

### 2.1 General

The product, "SHINGLAS SAMBA", "SHINGLAS JIVE", "SHINGLAS FOXTROT", "HIP AND RIDGE", is defined as monolayer bitumen shingles with mineral reinforcement in accordance with LST EN 544:2011.

### 2.2 Product description

In accordance with declaration of manufacturer bitumen shingles "SHINGLAS SAMBA", "SHINGLAS JIVE", "SHINGLAS FOXTROT", "HIP AND RIDGE" has fibre glass reinforcement, from both sides covered with SBS polymer modified bitumen mass of the same composition. Top side of the shingles is covered with mineral granules (basalt), under side is covered with sand. Mass of bitumen ( $1350 \pm 50$ ) g/m<sup>2</sup>, thickness ( $3,4 \pm 0,2$ ) mm. All shingles may have different colours of basalt granules.

Tests according to standard LST EN ISO 11925-2 were performed with randomly chosen (from this product group) shingles "HIP AND RIDGE", because in accordance with declaration of manufacturer shingles composition and mass of bitumen is the same, they are only of the different cutting shape.

## 3. Test reports and test results in support of classification

### 3.1 Test reports

Name of Laboratory	Name of sponsor	Report ref. no.	Test method and date Field of application rules and date
Fire Research Centre Reaction to Fire Testing Division	"Zavod Shinglas" LLC	20-5.2014.5	LST EN ISO 11925-2:2010

### 3.2 Test results

Test method and test number	Parameter	No. tests	Results	
			Continuous parameter – mean (m)	Compliance with parameters
LST EN ISO 11925-2 Surface flame attack Flame exposition period 15 s	$F_s \leq 150$ mm within 20 s	6	Yes	Compliant
	Ignition of filter paper		No	Compliant
LST EN ISO 11925-2 Edge flame attack Flame exposition period 15 s	$F_s \leq 150$ mm within 20 s	6	Yes	Compliant
	Ignition of filter paper		No	Compliant

## 4. Classification and field of application

### 4.1 Reference of classification

This classification has been carried out in accordance with LST EN 13501-1:2007+A1:2010 chap. 11.

### 4.2 Classification

The product, "SHINGLAS SAMBA", "SHINGLAS JIVE", "SHINGLAS FOXTROT", "HIP AND RIDGE", in relation to its reaction to fire behaviour is classified:

E





The format of reaction to fire classification construction products excluding flooring and linear pipe thermal insulation products is:

Fire behaviour		Smoke production		Flaming droplets	
E	-	-	-	-	-

i.e. E.

### Reaction to fire classification: E

#### 4.3 Field of application

This classification is valid for the product parameters described in chapter 2.2

#### 5. Limitations

This classification document does not represent certification of the product.

The classification assigned to the product in this report is appropriate to a declaration of performance by the manufacturer within the context of AVoCP (assessment and verification of constancy of performance) system 3 and CE marking under the Construction Product Regulation (EU) No. 305/2011.

The manufacturer has made a declaration, which is held on file. This confirms that the products design requires no specific processes, procedures or stages that are aimed at enhancing the fire performance in order to obtain the classification achieved. As a consequence the manufacturer has concluded that AVoCP system 3 is appropriate.

The test laboratory has, therefore, played no part in sampling the product for the test, although it holds appropriate references, supplied by the manufacturer, to provide for traceability of the samples tested and manufacturer obligation for ensuring a future stability of production submitted for assessment of performance and informing immediately Reaction to Fire Testing Division of FRC when we will change the design of the product.

Classification Report prepared by:

Chief Specialist  
Aurelija Kinduriene



Classification Report approved by:

Chief Specialist, carries out the functions of the Chief  
Vytautas Jocius

