

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 the low bitumen mass shingles „HEXAGONAL” (alternative trade name „HEXAGONAL EXTRA/PRIMAGLASS HEXAGONAL”), „BEAVER” (alternative trade names „BEAVER PLUS”, „OGON BOBRA/BEAVER”, „BEAVER TILE”, „BOBROVKA EXTRA/PRIMAGLASS BEAVER”), „3TAB” (alternative trade names „3T”, „RECHTECK”, „OBDELNIK EXTRA/PRIMAGLASS 3TAB”), „DELTA” (alternative trade name „DELTA EXTRA/PRIMAGLASS DELTA”), „4 TAB” (alternative trade name „4T”), 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

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Product name: Low bitumen mass shingles „HEXAGONAL” (alternative trade name „HEXAGONAL EXTRA/PRIMAGLASS HEXAGONAL”), „BEAVER” (alternative trade names „BEAVER PLUS”, „OGON BOBRA/BEAVER”, „BEAVER TILE”, „BOBROVKA EXTRA/PRIMAGLASS BEAVER”), „3TAB” (alternative trade names „3T”, „RECHTECK”, „OBDELNIK EXTRA/PRIMAGLASS 3TAB”), „DELTA” (alternative trade name „DELTA EXTRA/PRIMAGLASS DELTA”), „4 TAB” (alternative trade name „4T”)

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2. Details of classified product

2.1 General

The product, low bitumen mass shingles „HEXAGONAL” (alternative trade name „HEXAGONAL EXTRA/ PRIMAGLASS HEXAGONAL”), „BEAVER” (alternative trade names „BEAVER PLUS”, „OGON BOBRA/BEAVER”, „BEAVER TILE”, „BOBROVKA EXTRA/ PRIMAGLASS BEAVER”), „3TAB” (alternative trade names „3T”, „RECHTECK”, „OBDELNIK EXTRA/ PRIMAGLASS 3TAB”), „DELTA” (alternative trade name „DELTA EXTRA/ PRIMAGLASS DELTA”), „4 TAB” (alternative trade name „4T”) is defined as bitumen shingles with mineral reinforcement.

2.2 Product description

In accordance with manufacturer declaration low bitumen mass shingles „HEXAGONAL” (alternative trade name „HEXAGONAL EXTRA/PRIMAGLASS HEXAGONAL”), „BEAVER” (alternative trade names „BEAVER PLUS”, „OGON BOBRA/BEAVER”, „BEAVER TILE”, „BOBROVKA EXTRA/PRIMAGLASS BEAVER”), „3TAB” (alternative trade names „3T”, „RECHTECK”, „OBDELNIK EXTRA/PRIMAGLASS 3TAB”), „DELTA” (alternative trade name „DELTA EXTRA/PRIMAGLASS DELTA”), „4 TAB” (alternative trade name „4T”) are composed of fibre glass reinforcement 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 or silicon film, which is removed when installed on the roof. Nominal mass of area of fibre glass reinforcement is 100 g/m², thickness of shingle (2,9 ± 0,1) mm, mass of bitumen (1000 ± 150) g/m². Bitumen shingles are identical by their composition, the difference is the cutting shape of the product, trade name and colour of mineral granules.

Tests according to standard LST EN ISO 11925-2:2010 were performed with randomly chosen bitumen shingles „DELTA”, because bitumen shingles are identical by their composition.

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 Field of application rules and date
Fire Research Centre Reaction to Fire Testing Division	UAB „Mida LT“	20-6.2015.5	LST EN ISO 11925-2:2010

3.2. Test results

Test method and test number	Parameters	Number of tests	Results	
			Continuous parameter-mean (m)	Compliance with parameters
1	2	3	4	5
LST EN ISO 11925-2 Surface flame attack Flame exposition period 15 s	F150 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	F150 mm within 20	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 chapter 11.

4.2. Classification

The product, low bitumen mass shingles „HEXAGONAL” (alternative trade name „HEXAGONAL EXTRA/PRIMAGLASS HEXAGONAL”), „BEAVER” (alternative trade names „BEAVER PLUS”, „OGON BOBRA/BEAVER”, „BEAVER TILE”, „BOBROVKA EXTRA/PRIMAGLASS BEAVER”), „3TAB” (alternative trade names „3T”, „RECHTECK”, „OBDELNIK EXTRA/PRIMAGLASS 3TAB”), „DELTA” (alternative trade name „DELTA EXTRA/PRIMAGLASS DELTA”), „4 TAB” (alternative trade name „4T”), 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.

Classification Report prepared by:

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Chief
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This document is translation of Lithuanian Test
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UAB “Mida LT”
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