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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 glass fiber rolls "M-11 Light", "M-11", "M-15". 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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Prepared by:	Fire Research Centre, Lithuania
Product name:	Glass fiber rolls "M-11 Light", "M-11", "M-15".
Classification report No.:	20-16.2015.24
Issue number:	Exemplar No. 1 (*Classification report was prepared only in English)*
Date of issue:	21 September 2015
Base:	Contract No. 57-110 (3GB/1KL) of 2 September 2015. Request reg. No. 55-174/15.

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

2. Details of classified product

2.1 General

The product, glass fiber rolls "M-11 Light", "M-11", "M-15" is defined as a thermal insulation of buildings.

2.2 Product description

Glass fiber rolls "M-11 Light", "M-11", "M-15". In accordance with declaration of manufacturer " M-11 Light " organic binder content (LOI) (3,9 ± 0,5) %, density 10,4 kg/m^3 – 10,8 kg/m^3, thickness 50 mm – 100 mm; "M-11" organic binder content (LOI) (3,9 ± 0,5) %, density 12,6 kg/m^3 – 13,8 kg/m^3, thickness 50 mm – 100 mm; "M-15" organic binder content (LOI) (4,0 ± 0,5) %, density 14,1 kg/m^3 – 15,2 kg/m^3, thickness 50 mm – 100 mm.
Tests according to standard LST EN ISO 1182:2010 were performed to the product "M-11 Light" which has the lowest density 10,4 kg/m^3 – 10,8 kg/m^3 and to the product "M-15" which has the highest density 14,1 kg/m^3 – 15,2 kg/m^3 and the highest organic content (LOI) (4,0 ± 0,5) %.
Tests according to standard LST EN ISO 1716:2010 were performed to product "M-15" which has the highest organic content (LOI) (4,0 ± 0,5) % .

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 Reaction to Fire Testing Division	OJSC "Glassworks"Neman"	20-6.2015.2	LST EN ISO 1716:2010
Fire Research Centre Reaction to Fire Testing Division	OJSC "Glassworks"Neman"	20-6.2015.1	LST EN ISO 1182:2010
Fire Research Centre Reaction to Fire Testing Division	OJSC "Glassworks"Neman"	20-7.2015.1	LST EN ISO 1182:2010

3.2 Results

Test method	Parameter	No. tests	Results	
			Continuous parameter – mean (m)	Compliance with parameters
LST EN ISO 1182 ("M-15")	$\Delta T \leq 30$ °C $\Delta m \leq 50$ % $t_f = 0$ s	5	0,6 4,5 0	Compliant Compliant Compliant
LST EN ISO 1182 ("M-11 Light")	$\Delta T \leq 30$ °C $\Delta m \leq 50$ % $t_f = 0$ s	5	0,5 5,6 0	Compliant Compliant Compliant
LST EN ISO 1716	PCS ≤ 2,0 MJ/kg	3	1,29	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, glass fiber rolls "M-11 Light", "M-11", "M-15", in relation to its reaction to fire behaviour is classified:

A1

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

Fire behaviour		Smoke production			Flaming droplets	
A1	-	-	-	,	-	-

i.e. A1

Reaction to fire classification: A1

4.3 Field of application

This classification is valid for in chapter 2.2 listed product parameters and additionally for following product parameters:
- dimensions and form are unrestricted.

5. Limitations

This classification document does not represent type of approval or certification of the product.

Classification Report prepared by:

Senior Specialist
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Classification Report approved by:

Chief
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Gaisrinių tyrimų centras