



Center for Testing and  
European Certification

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## CLASSIFICATION OF REACTION TO FIRE IN ACCORDANCE WITH EN 13501-1:2018

**Sponsor:** KASTAMONU INTEGRATED WOOD INDUSTRY Co.Inc., Russia,  
Republic of Tatarstan, Yelabuga district, territory SEZ "Alabuga", street Sh-3, campus 3/3

**Prepared by:** „Center for Testing and European Certification“ LTD  
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**Product name:** Medium Density Fiberboard MDF.FR

**Classification report №:** 1871-CPR-RtF-417

**Issue number:** 01

**Date of issue:** 04.12.2020

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## 1 Introduction

This classification report defines the classification assigned to the product Medium Density Fiberboard MDF.FR, in accordance with the procedure given in EN 13501-1:2018

## 2 Details of classified product

### 2.1 General

The product, Medium Density Fiberboard MDF.FR, is defined as factory made medium-density fiberboard products for use in decoration, furniture and wall coverings. The product is manufactured in KASTAMONU INTEGRATED WOOD INDUSTRY Co.Inc., Russia

### 2.2 Product description

The product, Medium Density Fiberboard MDF.FR is described below or described in the report provided in support of classification listed in clause 3.1.

#### Product description:

Medium Density Fiberboard MDF.FR is a panel material with a thickness of 16 mm and a density of 790-810 kg/m<sup>3</sup>, manufactured from wood fibers, UF resin, paraffine, hardener (ammonium sulfate) and a red powder.

## 3 Reports and results in support of this classification.

### 3.1 Reports

Name of Laboratory	Name of sponsor	Report ref.no.	Test method and date Field of application rules and date
CONSTRUCTION PRODUCTS TESTING LABORATORY CTEC LTD Stara Zagora, Bulgaria	KASTAMONU INTEGRATED WOOD INDUSTRY Co.Inc., Russia	1422449/02.12.2020	BDS EN 13823:2020
CONSTRUCTION PRODUCTS TESTING LABORATORY CTEC LTD Stara Zagora, Bulgaria	KASTAMONU INTEGRATED WOOD INDUSTRY Co.Inc., Russia	1422450/03.12.2020	BDS EN ISO 11925-2:2020





### 3.2 Results

Test method and test number	Parameter	No. tests	Results	Compliance with parameters
			Continuous parameter - mean (m)	
BDS EN 13823:2020	FIGRA <sub>0.2M3</sub> LFS THR <sub>600s</sub>	3	117.6 (-) 3.7	Compliant
	SMOGRA TSP <sub>600s</sub>		6.5 77.3	Compliant
	flaming droplets/particles		No	Compliant
BDS EN ISO 11925-2:2020 (30 s exposure - on the surface)	F <sub>s</sub>	6	Nil	Compliant
	flaming droplets/particles		None	Compliant

## 4 Classification and field of application

### 4.1 Reference of classification

This classification has been carried out in accordance with EN 13501-1:2018

### 4.2 Classification

The product, Medium Density Fiberboard MDF.FR, in relation to its reaction to fire behaviour is classified:

**B**

The additional classification in relation to smoke production is:

**s2**

The additional classification in relation to flaming droplets / particles is:

**d0**



The format of the reaction to fire classification for construction products excluding floorings and products for thermal insulation of pipes is:

Fire Behaviour		Smoke Production			Flaming Droplets	
B	-	s	2	,	d	0

**Reaction to fire classification: B– s2, d0**

#### 4.3 Field of application

This classification is valid for the following end use conditions:

- for internal use as non-structural components and for external use in construction

This classification is valid for the following product parameters:

- Thickness: 16 mm
- Density: 790-810 kg/m<sup>3</sup>
- Type of cover – without covering
- Composition of components - not allowed amendment

#### 5 Limitations

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

**SIGNED:**

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**Katya Boycheva**  
 Specialist testing and quality

**APPROVED:**

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 Head of laboratory  
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