

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

<b>Sponsor</b>	: FELTOUCH YAPI TASARIM SAN. TİC. A.Ş. Burhaniye Mah. Bahçeler Sok.No.8 D Blok Kat:1/2 Üsküdar, İSTANBUL, TURKEY
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<b>Product name</b>	: FELTOUCH INDUSTRIAL FELT
<b>Classification report No.</b>	: ERA - 20 - 014
<b>Issue Number</b>	: 1/2
<b>Date of issue</b>	: 31.01.2020

This classification report consists of 5 pages and may only be used or reproduced in its entirety.

## 1. INTRODUCTION

This classification report defines the classification assigned to “*FELTOUCH INDUSTRIAL FELT*” in accordance with the procedures given in EN 13501-1:2018.

## 2. DETAILS OF CLASSIFIED PRODUCT

### 2.1. General:

*FELTOUCH INDUSTRIAL FELT* is defined as a “type of classified product”.

### 2.2. Description:

*FELTOUCH INDUSTRIAL FELT* is fully described in the test reports in support of the classification listed in clause 3.

Manufactured Plant: Not declared by the sponsor.

### Tested product types:

Product Name	Mass per unit area [kg/m <sup>2</sup> ]	Thickness [mm]	Content	Colour
FELTOUCH INDUSTRIAL FELT	1,35	6	Polyester fibers containing, mechanically needle punched nonwoven felt	Grey

## 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
EFECTIS ERA AVRASYA TEST VE BELGELENDİRME A.Ş.	FELTOUCH YAPI TASARIM SAN. TİC. A.Ş.	FTST17434	EN 13823:2010+A1:2014
		FTST17435	EN ISO 11925 – 2:2010
		FTST17436	EN ISO 11925 – 2:2010

*EFECTIS*

### 3.2. Results

Test method	Parameter	Number of test	Results	
			Continuous parameter mean	Compliance parameters
EN ISO 11925-2 Flame exposition: 30 s	$F_s \leq 150 \text{ mm}^{(1)}$ ignition of filter paper <sup>(1)</sup>	6	(-)	Yes
		6	(-)	No
	$F_s \leq 150 \text{ mm}^{(2)}$ ignition of filter paper <sup>(2)</sup>	6	(-)	Yes
		6	(-)	No
EN 13823+A1	FIGRA <sub>0,2 MJ</sub> (W/s)	3	15,9	(-)
	FIGRA <sub>0,4 MJ</sub> (W/s)	3	15,9	(-)
	LFS > edge	3	(-)	No
	THR <sub>600 s</sub> (MJ)	3	1,7	(-)
	SMOGR <sub>A</sub> (m <sup>2</sup> /s <sup>2</sup> )	3	0,0	(-)
	TSP <sub>600 s</sub> (m <sup>2</sup> )	3	2,2	(-)
	Flaming droplet(s)/particle (s)	3	None	None
(-): Not applicable (1): Surface flame attack (2): Edge flame attack				

Test method	Parameter	Parameter	Compliance parameters
EN ISO 11925-2	$F_s \leq 150 \text{ mm}$ ignition of filter paper	Yes	Yes (B – D)
		No	No (d0)
EN 13823+A1	FIGRA <sub>0,2 MJ</sub> [W/s]	15,9	≤ 120 (B)
	LFS < edge	(-)	Yes (B)
	THR <sub>600 s</sub> (MJ)	1,7	≤ 7,5 (B)
	SMOGR <sub>A</sub> [m <sup>2</sup> /s <sup>2</sup> ]	0,0	≤ 30 (s1)
	TSP <sub>600s</sub> [m <sup>2</sup> ]	2,2	≤ 50 (s1)
	Flaming droplet(s)/particle (s)	None	None (d0)
(-): Not applicable			

**4. CLASSIFICATION AND FIELD OF APPLICATION**

**4.1. Reference of classification**

This classification has been carried out in accordance with the clauses 11.6, 11.9.2 and 11.10.1 of EN 13501-1:2018

**4.2. Classification**

*FELTOUCH INDUSTRIAL FELT*, in relation to its reaction to fire behaviour is classified:

**B**

The additional classification in relation to smoke production is:

**s1**

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

**d0**

The format of the reaction to fire classification *FELTOUCH INDUSTRIAL FELT* is:

Fire behaviour		Smoke production				Flaming droplets	
B	-	s	1	,	d	0	

**Reaction to fire classification: B-s1,d0**

**4.3. Field of application**

This classification is valid for the following product parameters:

Product Name	Mass per unit area [kg/m <sup>2</sup> ]	Thickness [mm]	Content	Colour
FELTOUCH INDUSTRIAL FELT	1,35	6	Polyester fibers containing, mechanically needle punched nonwoven felt	Grey

The classification is valid for the following end use applications;

- Mounting applications without air gap between the product and the carrier

## 5. LIMITATIONS

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### 5.1. Restrictions

This classification report is valid provided that the technical specifications of product are within the limits in accordance with the field of application clause 4.3.

This classification report does not represent any type approval or certification of the product. This report is initially valid until 31<sup>st</sup> January 2021 providing that no significant modifications are made in technical specification of the specimen and related test and classification standards.

### 5.2. Warning

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

Signed:

Uğur ÇAVAŞ  
Person in the charge of tests



Approved:

Ali BAYRAKTAR  
Laboratory Manager