



**TSE DENEY ve KALİBRASYON MERKEZİ BAŞKANLIĞI**  
**YAPI MALZEMELERİ**  
**YANGIN VE AKUSTİK LABORATUVAR MÜDÜRLÜĞÜ**  
*HEADSHIP OF TSE TEST and CALIBRATION CENTER CONSTRUCTION MATERIALS*  
*FIRE AND ACOUSTICS LABORATORY*  
**REACTION TO FIRE CLASSIFICATION**

AB-0001-T

467719

05-19

## 1. Introduction

This report includes details on inflammability classification for a wooden plastic composite floor covering material having a label of THERRAWOOD assessed in accordance with the procedures detailed in TS EN 13501-1+A1:2013.



## REACTION TO FIRE CLASSIFICATION ACCORDING TO TS EN 13501-1+A1:2013 STANDARDS

<b>Sponsor</b>	AKKİM YAPI KİMYASALLARI SAN. VE TİC. A.Ş. <i>Yeşilbayır Mh. Şimşir Sk. No: 22 Arnavutköy İSTANBUL</i>
<b>Prepared by</b>	Directorate of TSE Construction Materials Fire and Acoustic Laboratory
<b>Product Name</b>	wooden plastic composite floor covering material having a label of THERRAWOOD
<b>Classification Report No.</b>	467719
<b>Publication No.</b>	1/2
<b>Date of Publish</b>	03.05.2019

This classification report consists of 4 pages, and may only be used in full or be reproduced.

## 1 Classified Product Details


### 1.1 General

The classified product has been defined as wooden plastic composite floor covering material having a label of THERRAWOOD specified in the Article No.2.2.

### 1.2 Product Description

<b>Sample Receive Date</b>	29.03.2019
<b>Name of the Product</b>	THERRAWOOD
<b>Description of the Product</b>	Wooden plastic composite floor covering material
<b>Respective Technical Document(s)</b>	-
<b>Total Thickness</b>	25,0 mm (average value determined by the laboratory)
<b>Wall Thickness</b>	5,0 mm (average value determined by the laboratory)
<b>Unit area mass</b>	17,60 kg/m <sup>2</sup> (average value determined by the laboratory)
<b>Tested surface properties</b>	Surface corrugated, patterned, brown coloured.

## REACTION TO FIRE CLASSIFICATION

<b>Cross Section Properties</b>	Inside-box profile porous. 2,14 mm x 26 mm box profile.	
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## 2 Test Reports and Results Supporting Classification

### 2.1 Reports

Following test reports are the basis for determination of this classification.

Laboratory	Sponsor	Test Report Reference No.	Test Method
Directorate of TSE Construction Materials Fire and Acoustic Laboratory	UCM Kompozit Yapı Malzemeleri San. Tic. A.Ş.	467712 / 05-19	TS EN ISO 11925-2: 2011
Directorate of TSE Construction Materials Fire and Acoustic Laboratory	UCM Kompozit Yapı Malzemeleri San. Tic. A.Ş.	467714 / 05-19	TS EN ISO 9239-1: 2011

### 2.2 Results

The aforementioned test results are given together with the classification criteria prescribed for B<sub>n</sub>-s1 Class in TS EN 13501-1 + A1:2013.

Test Method	Parameter	Test Number	Test Results	
			Average of continuous parameters	Average of non-continuous parameters
TS EN ISO 11925-2 (within 20 s)	$F_s \leq 150$ mm	6	(-)	$F_s \leq 150$ mm
TS EN ISO 9239-1	$CHF \geq 8,0$ kW/m <sup>2</sup> (kW/m <sup>2</sup> )	3	10,2	(-)
	Duman $\leq$ % 750 minute	3	464	(-)

(-) Non-applicable, variable based upon the observation

## 3 Classification and Direct Application Area

### 3.1 Classification Reference

This classification has been made in accordance with the Article No.12.6 and Article No.12.9.2 of TS EN 13501-1 + A1:2013



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**REACTION TO FIRE CLASSIFICATION**

The class determined through the behaviour of the wooden plastic composite floor covering material having a label of THERRAWOOD against the fire:

**B<sub>fl</sub>**

The class determined through the smoke generation properties of the wooden plastic composite floor covering material having a label of THERRAWOOD:

**s1**

Behaviour Against Fire	Smoke Generation	Flame Drop
B <sub>fl</sub>	s1	Non-Classified

**The Class of Behaviour Against Fire: B<sub>fl</sub>-s1**

### 3.2 Application Area

This classification is valid in following last application cases for the products - of which have following properties - having same name and produced in the same type and by using same formula;

<b>Total thickness</b>	25,0 mm
<b>Wall thickness</b>	5,0 mm
<b>Unit area mass</b>	17,60 kg/m <sup>2</sup>
<b>Montage and fixation</b>	For mechanic fixation by means of the respective equipment having metallic properties, For the cases requiring at least 2 cm air gap between itself and fixed surface, For the applications non-requiring any joint points, or requiring longitudinal joint point of which only parallels to the grooves
<b>Base plate</b>	For the cases requiring its application on the floor having the properties of the inflammableness class at least A2, s1-d0
<b>Surface properties</b>	When it is exposed to the flame (of which parallels to the grooves) from the corrugated surface.

### 4 Restrictions

There is no decision on the expiry date of the classification report on the date of publication of the TS EN 13501-1+A1:2013 standard.

This classification cannot be considered as type approval or certificate of the product; and cannot be replaced for any other documents to be issued in this respect.

*End of the Classification Report.*