



## INSTITUTE FOR TESTING AND CERTIFICATION

třída Tomáše Bati 299, Louky, 763 02 Zlín, Czech Republic

# CLASSIFICATION REPORT

USING RESULTS OF REACTION TO FIRE

No. : 75 35 01487BK / 2017/a

Applicant: **ECOPANEL INŞAAT İTH. İHR. ve TIC.LTD.ŞTİ.  
2.Organize Sanayi Bölgesi I. Cad. No.26 Şanlıurfa  
TURKEY**

Registration No: **3240448063**

Prepared by: **Institut pro testování a certifikaci (ITC), a.s.  
T. Bati 299  
764 21 Zlín-Louky, Czech Republic**

Product : **STRAWPANEL, STRAWPAN - thickness 59 mm,  
surface**

Manufacturer : **ECOPANEL INŞAAT İTH. İHR. ve TIC.LTD.ŞTİ.**

Elaborated by : **Ing. Petr Ptáček, Ph.D.**

Issued on : **24<sup>th</sup> July 2017**



A handwritten signature in blue ink, appearing to read 'Pavel Vaněk'.

Ing. Pavel Vaněk  
Director of Certification Division





## 1. Introduction

The Classification Report describes the product classification of:

„STRAWPANEL, STRAWPAN - thickness 59 mm - pressed boards are made from straw, as a single-layer thickness 59 mm, in widths of 1200 mm“, in accordance with ČSN EN 13501-1+A1:2010.

The Classification Report has been elaborated in frame of the project No. 75 35 01487-01.

## 2. Details of classified product

STRAWPANEL, STRAWPAN - thickness 59 mm - pressed boards are made from straw, as a single-layer thickness 59 mm, in widths of 1200 mm.

This product is classified in accordance with EN 312 as particleboard without surface treatment for permanent installation in buildings for non-load bearing purposes in the use class 1 according to EN 335 (dry condition).

The product is defined in EN 309, Article 2, as particleboard – wood based panels produced by compressing and heating the particles of lignocellulosic material in particle form (straw) with adhesive.

### **Origin, application and trade name of the classified product**

The product was delivered by the manufacturer.

### **Product specification**

Cereal straw: dry straw obtained after harvest of grain.

Recycled cardboard: tl. 0.50-0.52 mm, density 360 g/m<sup>3</sup>

Urea-formaldehyde adhesive: for glue of pressed straw and cladding from recycled cardboard

Density: 380-400 kg/m<sup>3</sup>, thickness 59 mm, standard widths of 1200 mm

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

### 3.1 Reports

Name of laboratory	Name of sponzor (applicant)	Report ref. No.	Test method
ITC,a.s., NB 1023, Accredited Laboratory No.1004 Zlín, CR	ECOPANEL INŞAAT ITH. IHR. Ve TIC.LTD.ŞTI.	Test Report of accredited laboratory, reference No. 753501487, from 30 <sup>th</sup> June 2017	ČSN EN ISO 11925-2

### 3.2 Results

Test results are given in Table 1.

Table 1 – Test results of ignitability results (surface) – STRAWPANEL, STRAWPAN - thickness 60-62 mm: 380-400 kg/m<sup>3</sup>

Test method and test number	Parameter	Number of tests	Results				
			Test results of individual test specimens				
ČSN EN ISO 11925-2 (the first test method), surface exposure time: 30s (lengthwise direction)	Ignition of the test specimen Yes/No	5	no	no	no	no	no
	Flame spread $F_S \leq 150$ mm (within 20 s)		no	no	no	no	no
	Burning time to reach 150 mm (s)		-	-	-	-	-
	Ignition of the filter paper (yes/no)		no	no	no	no	no

Remark: (-) – it is not relevant

## 4. Classification and field of application

### 4.1 Reference of classification

This classification has been carried out in accordance with ČSN EN 13501-1+A1:2010

### 4.2 Classification

The product: „STRAWPANEL, STRAWPAN - pressed boards are made from straw, as a single-layer thickness 59 mm, this classification is valid only for surface. The edges of the STRAWPANEL, STRAWPAN board must be invisible in construction.“

“ in relation to its reaction to fire behaviour is classified: **E**

The additional classification in relation to smoke production: -

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

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

Fire behaviour	Smoke production		Flaming droplets	
<b>E</b>	-	-	-	-





**Reaction to fire classification: E**

#### **4.3 Field of application**

The classification is valid only for the evaluated product specified in Clause 2 of this report:  
*„STRAWPANEL, STRAWPAN - pressed boards are made from straw, as a single-layer thickness 59 mm, this classification is valid only for surface. The edges of the STRAWPANEL, STRAWPAN board must be invisible in construction.“*

#### **5. Limitations**

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

This classification report is valid until 24<sup>th</sup> July 2022, unless there is a change in the technical specifications of the product.

The test laboratory has no participation in the preparation of product samples for testing.