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**PAVUS, a.s.**

AUTHORIZED BODY AO 216  
NOTIFIED BODY 1391  
EGOLF MEMBER



**L 1026**

**FIRE TESTING LABORATORY VESELI NAD LUZNICI**

Accredited Test Laboratory - accreditation issued by the Czech Institute for Accreditation, o.p.s.  
Registered under Identification No. 1026

## FIRE ENGINEERING PROPERTIES TEST REPORT

**No. Pr-10-6.002-En**

Issued on 2010-01-29

for the following product

Polymer Fibre Board

**TEMAFIX SD**

Sponsor: **TEMAC, a.s.**  
Nymburska, House no. 53  
289 13 Zverinek

Test method:

CSN ISO 3795

» Determination of Burning Behaviour of Interior Materials for  
Motor Vehicles «

DIN 75200

» Bestimmung des Brennverhaltens von Werkstoffen der  
Kraftfahrzeuginnenausstattung «

The Report contains: 5 pages  
(3 text pages + 2 annexes)

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## 1 INTRODUCTION

The burning behaviour determination test has been performed in Testing Laboratory PAVUS, a.s., Veselí nad Lužnicí, following the order of the company of TEMAC, a.s.

The test has been prepared, performed and evaluated based on the following documents:

- [1] CSN ISO 3795: Determination of Burning Behaviour of Interior Materials for Motor Vehicles
- [2] DIN 75200 Bestimmung des Brennverhaltens von Werkstoffen der Kraftfahrzeuginnenausstattung
- [3] The tested product's accompanying document

## 2 TEST SUBJECT

Product name: TEMAFIX SD (Sound Damping)  
Product identification: Polymer Fibre Board  
Manufacturer: TEMAC, a.s.  
Nymburska, House no. 53  
289 13 Zverinek

Product description: thickness: 2 mm  
density: 2.2 – 2.6 g/cm<sup>3</sup>  
properties / appearance: tough elastic board of black colour of homogeneous material with a smooth surface on both sides

Application of product: sound insulation

Specimens' delivery date: 2010-01-21

Taking the specimens: Sponsor

Conditioning: as per [1]

Test subject was represented by 5 specimens sized 70 x 245 mm and 2 mm in thickness.

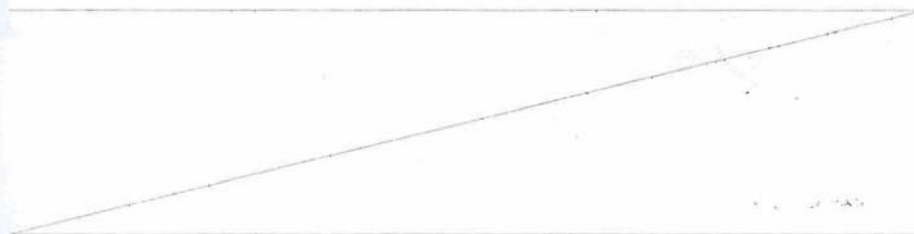
## 3 TEST PERFORMANCE

The test was performed as per [1].

The testing and measuring equipment used is listed in Annex 1.

The tests were performed in the Test Laboratory as of 28<sup>th</sup> January 2010. The ambient air temperature was 19 °C at 51% relative humidity.

Individual specimens were gradually put in the order of 1 to 5 into the combustion chamber placed in a fouling evacuation hood. The specimen edge was exposed to the Bunsen burner's flame of Ø 9,5 mm for 15 seconds at each instance. During this, the material had been observed for its behaviour under the impingement of the burner's flame and, after shutting the burner, measurement was taken of material's spontaneous burning time and consequent damage observed in the specimen.



## 4 TEST RESULTS

### 4.1 Observation of specimens

During the test, no burning of specimens was recorded after the burner's flame has been shut. Only the material's edge has melted partly and the colour shade in the flame impingement point has changed.

### 4.2 Test Results

Specimen number	1	2	3	4	5
s (mm)	0	0	0	0	0
t (s)	0	0	0	0	0
B (mm/min)	0	0	0	0	0

The flame propagation rate B in millimetres per minute according to [1] cl. 8:

$$B = \frac{s}{t} \times 60$$

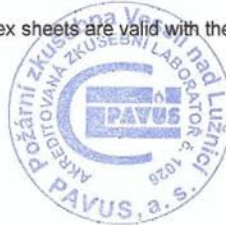
where s = burnt distance in millimetres

t = time required for an "s" distance to burn in seconds

### 4.3 Application of Test Results

The test results apply to the behaviour of tested product specimens under specific test conditions and they are not meant the only criterion to assess the possibility of fire hazard of the product when used.

The Report and Annex sheets are valid with the embossed stamp only.



Elaborated by:

  
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ATL Manager

## ANNEX 1: TESTING AND MEASURING EQUIPMENT, MEASUREMENT UNCERTAINTY

Testing equipment:	Device registration number:
Test hood with ventilation system	-
Combustion chamber for combustibility tests	10.003

Measuring equipment:	Metrological registration number:
Stop-watch	3 05 01
Thermohygrograph THZ1int	3 13 05
Anemometer AMR 2253-2	3 08 01
Calliper	3 01 07

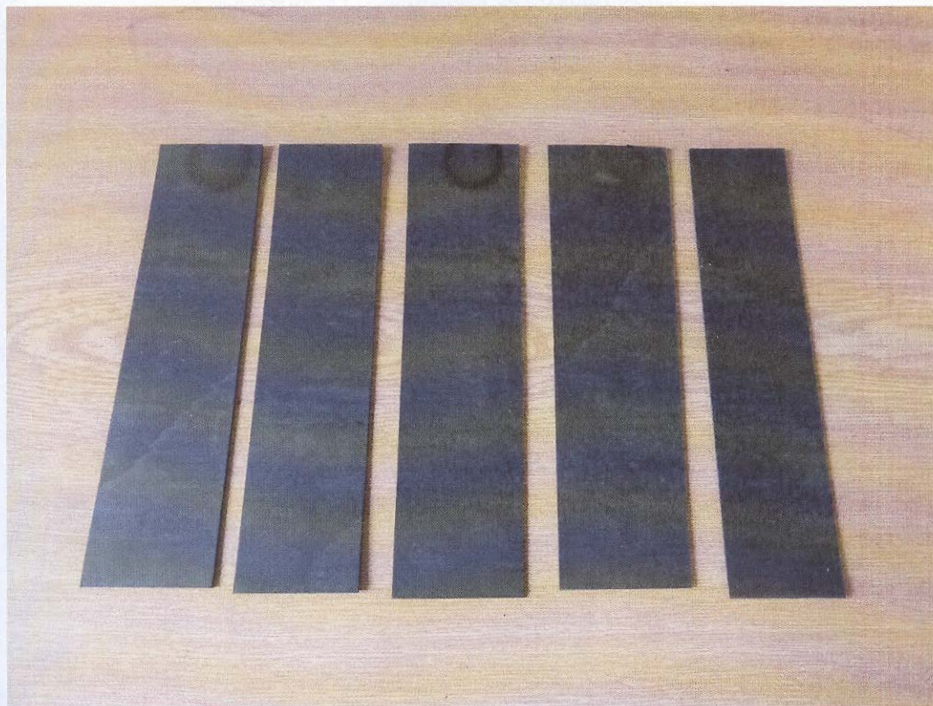
Metrological relationships of the device are specified in the metrological registration card of the device, which is expressly identified by the metrological registration number of the device.

Due to the character of fire resistance tests and the resulting difficult quantification of fire resistance measurement uncertainty it is not possible to provide the given result's degree of exactness.

Measured quantity:	Extended measurement uncertainty:
Linear measures	0,1 mm
Time	1 s
Air flow rate	0,5 m/s
Ambient temperature	1 °C
Ambient air relative humidity	3 %

The above extended measurement uncertainties result from the multiplication of standard measurement uncertainty and extension factor  $k = 2$  that, in case of normal distribution, equals a coverage probability of 95 %.

The standard measurement uncertainty has been determined in accordance with the document of EA-16/02 (EAL R2) and GUM.

**ANNEX 2: PHOTOGRAPHIC DOCUMENTATION**

Specimens after the test

**Adresa**

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