



PanelStone®



TECHNISCHES DATENBLATT

SHOP PanelPiedra® PanelStone®

Fire protection class certification

Brandschutzklasse - Zertifizierung

Certification de classe de protection contre les incendies

Certificazione classe di protezione antincendio



CLASSIFICATION REPORT

REPORT No.:	246421.01ENG	PROJECT No.:	PY18-0365	REF. No.:	MV70276
DATE OF ISSUE	28/01/2019				
ACCREDIT BODY	Test laboratory accredited by ENAC with accreditation No. 288 LE / 634				
NOTIFIED BODY	Notified Body nº 1668 Regulation (UE) nº 305/2011				
TEST SAMPLE	Type:	Decorative panels 15 mm thickness			
	Reference:	PANELES PR			
STANDARD	UNE-EN 13501-1:2007 +A1:2010. Fire classification of construction products and building elements. Part 1: Classification using data from reaction to fire test.				
APPLICANT	PANELES DECORATIVOS PANEL PIEDRA, S.L. POLÍGONO INDUSTRIAL MUNICIPAL, VIAL TRANSVERSAL Nº 2 31500 TUDELA (NAVARRA)				
TEST DATE	Start:	08/11/2018			
	End:	13/11/2018			

CLASIFICACIÓN

Clasification

B-s1, d0

This report cancels and replaces the No. 246421 s/ ACR2018-076

Elena Malaina Bengoa
Department Director

This report is the translation of No. 246424.01

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1 INTRODUCTION

The purpose of this report is to define the classification assigned to the product described in section 2 of this report, in accordance with the procedures indicated in standard UNE-EN 13501-1: 2007 + A1: 2010 "Fire classification of construction products and building elements. Part 1: Classification using data from reaction to fire test".

2 SAMPLE CHARACTERISTICS

Description of the test sample

The sample to be tested supplied by the client, consists of decorative panels of matte appearance and grey finish, 15 mm thick with reference **PANELES PR**

2.1 Pre-conditioning

The client does not specify a pre-conditioning conditions, different from those stipulated in the UNE EN 13238:2011 standard. Reaction to fire tests for construction products. Conditioning procedures and general rules for the selection of substrates.

Following the usual laboratory procedures for these cases, the sample is conditioned on chamber a $23^{\circ}\text{C} \pm 2^{\circ}\text{C}$ and $50\% \pm 5\% \text{ RH}$, during a period of 3 days, from 05/11/2018 to 08/11/2018, until a constant mass is obtained.

2.2 Sample preparation and/or assembly

The test sample has been installed in the sample holder according to the client's instructions, screwed perimeter to the plate by means of 5 x 2.5 mm plugs and 5 x 3 mm screws each 250 mm.

**3 TEST REPORTS TO SUPPORT THE CLASSIFICATION**

Laboratory	Company/client	Test report reference	Test Method
ENSATEC	PANELES DECORATIVOS PANEL PIEDRA, S.L.	246420	UNE 13823:2012 +A1:20196
ENSATEC	PANELES DECORATIVOS PANEL PIEDRA, S.L.	246420	UNE EN ISO 11925-2:2011

4 TEST RESULTS TO SUPPORT THE CLASSIFICATION

Test Method	Test No.	Classification criteria	Average value	Comply
UNE-EN ISO 11925-2:2011 (surface application)	6	$F_s \leq 150\text{mm en } 60\text{s}$	Yes	Yes
		Ignition of filter paper	No	Yes
UNE-EN ISO 11925-2:2011 (Edge application)	6	$F_s \leq 150\text{mm en } 60\text{s}$	Yes	Yes
		Ignition of filter paper	No	Yes
UNE-EN 13823 (SBI)	3	$\text{FIGRA}_{0.2\text{MJ}} \leq 120 \text{ W/s}$	17,98	Yes
		$\text{THR}_{600\text{s}} \leq 7,5 \text{ MJ}$	2,26	Yes
		$\text{SMOGRA} \leq 30 \text{ m}^2/\text{s}^2$	0,29	Yes
		$\text{TSP}_{600\text{s}} \leq 50 \text{ m}^2$	22,45	Yes
		LFS (S/N)	No	Yes
		Drops / particles in flame (Y/N)	No	Yes



5 CLASSIFICATION AND DIRECT FIELD OF APPLICATION

5.1 Classification

Therefore, in accordance with the standard UNE-EN 13501-1: 07 + A1:2010 and in view of the results of the tests and the classification criteria, the sample, described in this report, corresponding to a Gray Formwork PR, obtains the following classification:

Fire behavior	Smoke production	Drops in flame
B	s1	d0

5.2 Direct field of application

This classification is valid for the application of final use as decorative wall covering both indoors and outdoors, with the assembly conditions defined in the reports listed in section **¡Error! No se encuentra el origen de la referencia.** of this report and for the geometry and thicknesses defined in them.

The sample does not present directionality, so this concept is taken into account when carrying out the test.

6 LIMITATIONS

The result of this report concerns only the object / s tested.

This document does not represent any type approval or product certification.

The duration of the validity of this classification report is subject to the legislation in force at the time of its issuance.

Dichte			
Applied Density Panel	UNE EN 1602	Kg. m3	700-800
Applied Density Polyurethane	UNE EN 1602	Kg. m3	300-350
Feuer- und Hitzebeständigkeit			
5 CLASSIFICATION AND DIRECT FIELD OF APPLICATION			
5.1 Classification			
Therefore, in accordance with the standard UNE-EN 13501-1: 07 + A1:2010 and in view of the results of the tests and the classification criteria, the sample, described in this report, corresponding to a Gray Formwork PR, obtains the following classification:			
Fire behavior	Smoke production	Drops in flame	
B	s1	d0	
Residue on ignition	DIN 53395	%	0,9
Technische Stärke			
Traction Strength	ISO 527	MPa	97
Flexion Strength	ISO 178	MPa	250
Flexion module	ISO 178	MPa	9750
Deformation Temperature Under Load	ISO 75 A	°C	90
Shore hardness	DIN53505	%	60
Rebound	DIN53573	%	50
Compressive Strength	UNE EN 826	Kpa	200-250
10% Deformation			
Isolierende Eigenschaften			
Dielectric Constant 20°C	1000 Cycles	----	2,2
Dielectric Strength 23°C	-----	KV/cm	150-200
Power Factor	1000 Cycles	%	0,02
Electrical Resistivity	Ohnmios / cm		1.18 x10 ¹³
Widerstandsfähigkeit im Außenbereich			
Saline Resistance to the fog	Sodium Clorudo Water	Temperature	2000 hours
	5,0 ± 0,5%	35° / -2	OK
Camara Resistance Accelerated	Ultraviolet Light	2000 Hours	No hay caleado
Lamps U VB 313	Temp. +50° / 3°		No loss of gloss



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