



MEMBER OF



<b>REPORT No.</b>	078750-2-a
<b>CUSTOMER</b>	MSD PANELS – MUROS SINTÉTICOS DECORATIVOS, S.L.
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<b>PURPOSE</b>	REACTION TO FIRE CLASSIFICATION REPORT ACCORDING TO UNE-EN 13501-1:2007 + A1:2010
<b>TESTED SAMPLE</b>	EMBOSSSED DECORATIVE PANELS FOR WALL COATINGS REF.: “MSD 3D WALL (MAGNOLIA)”
<b>DATE OF RECEIPT</b>	09.10.2018
<b>TEST DATES</b>	26.10.2018 – 05.04.2019
<b>DATE OF ISSUE</b>	26.04.2019
<b>TRANSLATION DATE</b>	30.04.2019



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- \* The results of the current report concern only and exclusively the sample tested.
- \* This report shall not be reproduced, except in full, without the express authorisation of FUNDACIÓN TECNALIA R&I.
- \* The validity of this classification report is restricted to the applicable regulation at the time and place of carrying out the final assembly of the product referenced in this report.
- \* In case of a lawsuit, the original spanish version shall be taken as reference.

## 1. PURPOSE OF THE REPORT

The purpose of this report is to determine the reaction to fire classification obtained by embossed decorative panels for wall coatings, under reference:

### “MSD 3D WALL (MAGNOLIA)”

in compliance with 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 tests*”.

NOTE: *This report does not imply any approval or certification of the product.*

## 2. DESCRIPTION OF THE SAMPLE SUBJECT TO CLASSIFICATION

The samples, referenced as “**MSD 3D WALL (MAGNOLIA)**”, are defined as embossed decorative panels for wall coatings. The test specimens are composed of the following layers:

Outer side \_side exposed to fire:

- \_material: acrylic-polyurethane paint
- \_thickness: 0.1 mm
- \_density: 0.15 kg/m<sup>2</sup>
- \_colour: white
- \_appearance: smooth
- \_tilting: no

Inner side \_unexposed side:

- \_material: SMC
- \_thickness: 2.8mm
- \_density: 1900 kg/m<sup>3</sup>
- \_colour: white
- \_appearance: smooth and embossed parts
- \_tilting: no

As a test fixture, a 10 mm thick calcium silicate panel with a density of 870 kg/m<sup>3</sup> and a reaction to fire classification of A2-s1, *d0* was used, which simulates the walls as specified in Standard EN 13823:2012 + A1:2016.



The test was carried out without any air chamber between the tested panel and the supporting plate.

In the long flap a vertical joint is represented at 200 mm from the fixture between both flaps, and another horizontal joint 833 mm from the lower part of the long flap. Annex III of test report 078750-1 describes the assembly of both flaps.

The samples were placed in compliance with sections 5.2 and 5.3 of standard UNE - EN 13823:2012+A1:2016 regarding the assembly of samples with a T angle to ensure that the line of the corner formed by the panels does not widen during the test.

In the Annex of report 078750-1, information relating to the test, photographs of the samples, details of the assembly and specifications of the product provided by the customer are attached.

### 3. REPORT ON WHICH THE CLASSIFICATION IS BASED

ISSUING LABORATORY:	<b>FUNDACIÓN TECNALIA R&amp;I (headquarters Azpeitia)</b> Bº Lasao, Área Anardi 5 20730 Azpeitia (Gipuzkoa), Spain
TESTED SAMPLE:	EMBOSSED DECORATIVE PANELS FOR WALL COATINGS
COMMERCIAL REFERENCE:	<b>“MSD 3D WALL (MAGNOLIA)”</b>
TEST APPLICANT:	<b>MSD PANELS – MUROS SINTÉTICOS DECORATIVOS, S.L.</b> P.I. LENTISCARES. C/ CARRALVERDE, P. 57 26370 NAVARRETE (LA RIOJA)
TEST REPORT No.:	078750-1
DATE OF ISSUE:	26 April 2019
TEST CONDUCTED:	According to UNE-EN 13823:2012+A1:2016 and UNE-EN ISO 11925-2:2011

## TEST RESULTS

TEST METHOD	PARAMETER	RESULT
UNE-EN 13823:2012+A1:2016	FIGRA <sub>0,2 MJ</sub>	59.53 W/s
	FIGRA <sub>0,4 MJ</sub>	59.53 W/s
	LFS < edge	Yes
	THR <sub>600S</sub>	5.78 MJ
	SMOGRA	15.57 m <sup>2</sup> /s <sup>2</sup>
	TSP <sub>600S</sub>	142.91 m <sup>2</sup>
UNE-EN ISO 11925-2:2011	Flaming droplets/particles	NO
	F <sub>s</sub> ≤ 150 mm (in 60 sec)	Yes
	Filter paper flaming	NO



(\*) The activities marked with an asterisk are not covered by the ENAC accreditation.

#### 4. CLASSIFICATION

In accordance with standard UNE EN 13501-1:2007 + A1:2010, the embossed decorative panels for wall coatings with reference “**MSD 3D WALL (MAGNOLIA)**” received on 09 October 2018 were given the following Reaction to Fire classification:

**Reaction to Fire Classification: B-s2, d0**

This classification is valid when the product under reference “**MSD 3D WALL (MAGNOLIA)**” is used as wall coating.

