ENAC ENSAYOS Nº 4/LE024
MEMBER OF egolf

REPORT No. 063402-2-a

CUSTOMER	MSD Panels-Muros Sintéticos Decorativos, S.L.
CONTACT PERSON	ALVARO TRICIO
ADDRESS	P. I. LENTISCARES-C/CARRALAVERDE,P.57 26370 NAVARRETE (LA RIOJA)
PURPOSE	REACTION TO FIRE CLASSIFICATION REPORT ACCORDING TO UNE-EN 13501-1:2007 + A1:2010
TESTED SAMPLE	POLYESTER REINFORCED WITH FIBREGLASS REF. “MSD dress your wall”
DATE OF RECEIPT	12.01.2017
TEST DATES	27.02.2017 – 28.02.2017
DATE OF ISSUE	29.05.2017
TRANSLATION DATE	08.06.2017

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Safety Laboratory

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1. OBJECTIVE OF THE REPORT

The purpose of this report is to determine the reaction to fire classification obtained by the decorative polyester panels reinforced with fibreglass and mineral pigments under reference **"MSD dress your wall"** 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 SAMPLE TO BE CLASSIFIED

The samples, referenced as **"MSD dress your wall"** are defined as polyester decorative panels reinforced with fibreglass and mineral pigments.

SAMPLE CHARACTERISTICS:

a) Material: Polyester reinforced with fibreglass and mineral pigments
b) Thickness: 4-7 mm (variable inside the panel)
c) Density: 6-8 kg/m^3
d) Colour: Miscellaneous
e) Appearance: Rough, textured and brick imitation. Uneven surface
f) Reference of the polyester resin: MODAR NX 860 TF
(Resin with additives to improve reaction to fire)

Four (1500 x 500 x 4-7) mm samples, four (1500 x 1000 x 4-7) mm samples and six (250 x 90 x 4-7) mm samples were received with variable thicknesses inside the panel.

A container of unsaturated polyester-based filler referenced as "MSD Mastic" was also received, as well as a container of alquidic resin-based matt enamel referenced as "Esmalte Junoplus Mate".

DETAILS OF THE ASSEMBLY, SUBSTRATE USED AND THE FIXING METHOD

The samples were placed in compliance with sections 5.2 and 5.3 of standard UNE EN 13823:2012 regarding the assembly of samples with a T angle to ensure that the line of the corner formed by the panels did not widen during the test.
As a test fixture, 12 mm thick laminated gypsum was used with a reaction to fire classification of A2-*s1,d0* (UNE EN 13501-1:2007 +A1:2010).

The usual screws for gypsum plasterboard were used, with a diameter of 3.5 mm and a length of 35 mm.

The test was carried out without any air chamber between the sample and the support.

Tecnalia staff machined the long wing and short wing test specimens to create a longitudinal joint 200 mm from the meeting point of the corner and another corner 500 mm (in both wings) from the floor. The parts were screwed to the gypsum plasterboard using four units for each part and a screw for each corner. The screws are positioned 20 mm from the outside corner (see the following figure 1)

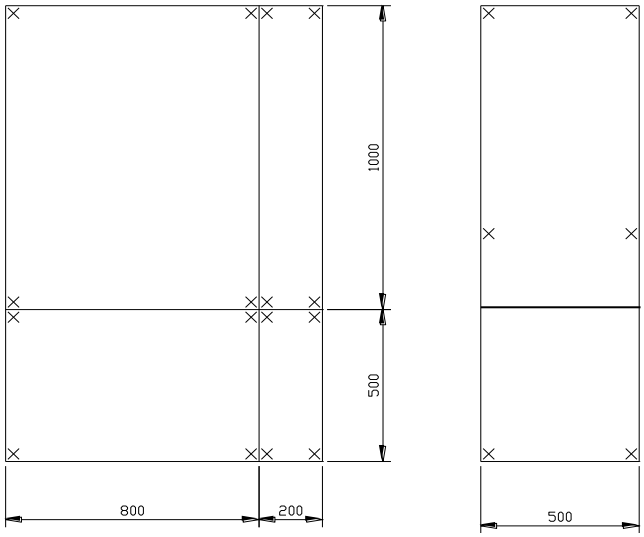

Figure 1: Mounting of the panels, creating the horizontal and vertical joint. The screws are represented by the (X).

The unsaturated polyester filler “MSD Mastic” was applied to the two joints, and then the alquidic resin-based matt enamel “Esmalte Junoplus Mate” was applied for a uniform finish.

The technical datasheet of said sample is included in the annex of the report 063402-1.

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3. REPORT ON WHICH THE CLASSIFICATION IS BASED

ISSUING LABORATORY:	**FUNDACIÓN TECNALIA R&I (headquarters Azpeitia)** Bº Lasao, Área Anardi 5 20730 Azpeitia (Guipúzcoa)
TESTED SAMPLE:	POLYESTER REINFORCED WITH FIBREGLASS
COMMERCIAL REFERENCE:	**"MSD dress your wall"**
TEST APPLICANT:	MSD Panels-Muros Sintéticos Decorativos, S.L. P. I. LENTISCARES-C/CARRALAVERDE,P.57 26370 NAVARRETE (LA RIOJA)
TEST REPORT No.:	063402-1
DATE OF ISSUE:	29 May 2017
TEST CONDUCTED:	According to UNE-EN 13823:2012 and UNE-EN ISO 11925-2:2011

TEST RESULTS

TEST METHOD	PARAMETER	RESULT
UNE-EN 13823:2012	FIGRA $_{0.2\ MJ}$	**69.90 W/s**
	FIGRA $_{0.4\ MJ}$	**69.90 W/s**
	LFS < edge	**YES**
	THR $_{600S}$	**6.65 MJ**
	SMOGRA	**16,16 m^2/s^2**
	TSP $_{600S}$	**198.66 m^2**
	Flaming droplets/particles	**NO**
UNE-EN ISO 11925-2:2011	$F_S \leq 150$ mm (in 60 s)	**YES**
	Filter paper flaming	**NO**

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

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4. CLASSIFICATION

In accordance with standard UNE EN 13501-1:2007 + A1:2010, the decorative polyester panels reinforced with fibreglass and mineral pigments, with reference **"MSD dress your wall"** received on 12 January 2017, were given the following Reaction to Fire classification:

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

This classification is valid when the decorative panels referenced as **"MSD dress your wall"** are applied under the following conditions:

a) As a construction product in all applications, with the exception of flooring.
b) As a building product in the geometrical dimensions and density tested, and listed in the test report.
a) When the decorative panel with reference **"MSD dress your wall"** has a polyester resin formulation with commercial reference MODAR NX 860 TF and a concentration of fire-retardant additives chemically identified which are present in equal or greater concentration.