



MEMBER OF



REPORT No. 13_03289-2-a

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PURPOSE	FIRE RESISTANCE TEST REPORT ACCORDING TO UNE-EN 13501-1:2007 + A1:2010
TESTED SAMPLE	2 COMPONENTS POLYURETHANE PRIMER SOLVENT BASED COATING REF.«2 COMPONENTS POLYURETHANE SOLVENT BASED PRIMER COATING, FONDIPOL IGNÍFUGO + 2 COMPONENTS POLYURETHANE SOLVENT BASED FINISHING COATING, LACAPOL INGÍFUGO»
RECEPTION DATE	02.10.2013
TEST DATES	18.10.2013
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- * Report no. 13_03289-2-a is valid for 5 years from the date of issue of the report.
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1.- PURPOSE OF THE REPORT

The purpose of this report is to define the reaction to fire classification obtained for 2 components polyurethane primer solvent based coating referred to as: .

«2 COMPONENTS POLYURETHANE SOLVENT BASED PRIMER COATING, FONDIPOL IGNÍFUGO + 2 COMPONENTS POLYURETHANE SOLVENT BASED FINISHING COATING, LACAPOL INGÍFUGO», according to UNE-EN 13501-1:2007 + A1:2010 Standard: *“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 referred as, «**2 COMPONENTS POLYURETHANE SOLVENT BASED PRIMER COATING, FONDIPOL IGNÍFUGO + 2 COMPONENTS POLYURETHANE SOLVENT BASED FINISHING COATING, LACAPOL INGÍFUGO**» is defined as two components polyurethane solvent based coating.

Each sample is supported on a gypsum plasterboard substratum, simulating the walls as specified in the UNE EN 13823:2012 standard.

Gypsum plasterboards used as substratum meets the requirements according to UNE EN 13238:2011 and EN 520 standards:

- a) Reaction to fire : A2-s1, d0 (UNE EN 13501-1)
- b) Thickness: 12 mm.

The samples are 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 does not widen during the test.

The coating system “FONDIPOL IGNÍFUGO + LACAPOL IGNÍFUGO” was applied on wood fiber boards (MDF) with following characteristics:

- a) Brown colored boards of 10 mm thick.
- b) Reaction to fire classification B-s2, d0 according to UNE EN 13501-1:2007 + A1:2010.

The coating system was applied following these instructions:

- a) Method of coating: Coating using airbrush.
- b) Weighing and coats First a coat of “FONDIPOL IGNÍFUGO” (150gr/m²) was applied and later a second coat of “LACAPOL IGNÍFUGO” (120gr/m²) was applied.
- c) The coating system was applied by staff of Tecnalía.

The simple was tested without any gap between the sample and the substrate.



3.- REPORT IN WHICH THE CLASSIFICATION IS BASED

ISSUING LABORATORY	FUNDACIÓN TECNALIA R&I (Azpeitia) Bº Lasao, Área Anardi 5 20730 Azpeitia (Guipúzcoa)
TESTED SAMPLE:	2 COMPONENTS POLYURETHANE PRIMER SOLVENT BASED COATING
COMMERCIAL REFERENCE:	«SISTEMA DE FONDO DE POLIURETANO DE DOS COMPONENTES EN BASE DISOLVENTE FONDIPOL IGNÍFUGO + ACABADO DE POLIURETANO DE DOS COMPONENTES EN BASE DISOLVENTE LACAPOL INGÍFUGO»
TEST APPLICANT:	BARPIMO, S.A. SAN FERNANDO, 116 - APDO. 12 26300 NÁJERA (LA RIOJA)
TEST REPORT No.:	13_03298-1-a
DATE OF ISSUE:	21 November 2013
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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}	107.7 W/s
	FIGRA _{0.4 MJ}	17.91 W/s
	LFS < edge	SI
	THR _{600S}	1.42 MJ
	SMOGRA	28.91 m ² /s ²
	TSP _{600S}	125.88 m ²
UNE-EN ISO 11925-2:2011	Flaming droplets/particles	NO
	F _s ≤ 150 mm (in 60 s)	YES
	Filter paper inflammation	NO



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

4.- CLASSIFICATION

In accordance with the UNE-EN 13501-1:2007 + A1:2010 standard, 2 components polyurethane primer solvent based coating referred as «**2 COMPONENTS POLYURETHANE SOLVENT BASED PRIMER COATING, FONDIPOL IGNÍFUGO + 2 COMPONENTS POLYURETHANE SOLVENT BASED FINISHING COATING, LACAPOL INGÍFUGO**» received at FUNDACIÓN TECNALIA R&I, on 2 October 2013, received the following Reaction to Fire Classification:

Reaction to Fire Classification: B-s2, d0

- This classification is valid when the paint system with commercial reference «**2 COMPONENTS POLYURETHANE SOLVENT BASED PRIMER COATING, FONDIPOL IGNÍFUGO + 2 COMPONENTS POLYURETHANE SOLVENT BASED FINISHING COATING, LACAPOL INGÍFUGO**» is applied as construction product except as floor covering.
- (*) This classification is valid when the paint system with commercial reference «**2 COMPONENTS POLYURETHANE SOLVENT BASED PRIMER COATING, FONDIPOL IGNÍFUGO + 2 COMPONENTS POLYURETHANE SOLVENT BASED FINISHING COATING, LACAPOL INGÍFUGO**» is applied on wood derived substrates with reaction to fire classification B-s2,d0 (UNE EN 13501-1) or better.
- This classification is valid when the paint system with commercial reference «**2 COMPONENTS POLYURETHANE SOLVENT BASED PRIMER COATING, FONDIPOL IGNÍFUGO + 2 COMPONENTS POLYURETHANE SOLVENT BASED FINISHING COATING, LACAPOL INGÍFUGO**» is applied following this instructions:
 - 1 coat of primer «FONDIPOL IGNÍFUGO» (150 gr/m²)
 - 1 coat of finishing «LACAPOL IGNÍFUGO» (120 gr/m²)