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.REACTION TO FIRE CLASSIFICATION REPORT

CLIENT: THERMOCORK
APPLICANT: THERMOCORK
ADDRESS: POLÍGONO INDUSTRIAL CALLE F NAVE 9
31592 CINTRUÉNIGO (NAVARRA)

MATERIAL TESTED: SAMPLE CONSISTING OF POLYMERS,
CORK AND ADDITIVES IN AN AQUEOUS
SYSTEM
REF.: "THERMOCORK INSULATION"

PURPOSE OF THE REQUEST: CLASSIFICATION IN ACCORDANCE
WITH UNE-EN 13501-5:2005

DATE OF ISSUE OF REPORT: 04.11.2010

The classification provided in this report refers only to the material received and submitted to testing at this Research Centre on the dates indicated and is not valid without report 20901-1.

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1.- PURPOSE OF THE REPORT

The purpose of this report is to define the classification in roof tests relating to the action of samples consisting of polymers, cork and additives in an aqueous system, measuring (1800 x 800 x 10) mm, referred to as "**THERMOCORK INSULATION**", with a test gradient of 15°, in accordance with standard EN 13501-5:2005 "*Fire classification of construction products and building elements. Part 5: Classification using data from external fire exposure to roofs tests*".

2.- DESCRIPTION OF THE SAMPLE SUBMITTED FOR CLASSIFICATION

The sample "**THERMOCORK INSULATION**" is defined as a thermal/acoustic insulation product with a decorative function. It is a mix of selected cork particles, with different types of water-based resins, mineral loads, stabilizing agents and various additives.

For use on most materials (mortar, metal, wood, PVC, expanded polyethylene, etc.) and is suitable for coating facades, waterproofing roofs of all types, decoration of interiors and acoustic adjustment of venues.

The technical data sheet for this sample is attached in the appendix of report 20901-1.

3.- REPORT ON WHICH THE CLASSIFICATION IS BASED

ISSUING LABORATORY:	CIDEMCO Bº Lasao, Área Anardi 5 20730 Azpeitia (Guipúzcoa)
SAMPLE TESTED:	Mix consisting of polymers, cork and additives in an aqueous system
COMMERCIAL REFERENCE:	"THERMOCORK INSULATION"
TEST APPLICANT:	THERMOCORK POLÍGONO INDUSTRIAL CALLE F NAVE 9 31592 CINTRUÉNIGO (NAVARRA)
TEST REPORT NO.:	20901-1 M1.
DATE OF ISSUE:	4 November 2010
TEST PERFORMED:	In accordance with standard ENV 1187:2003. Method 1.

4.- TEST RESULTS

TEST METHOD	PARAMETER	CRITERIA	RESULT
ENV 1187:2003	Ascending internal fire spread	< 0.700 m	Compliant
	Ascending external fire spread	< 0.700 m	Compliant
	Descending internal fire spread	< 0.600 m	Compliant
	Descending external fire spread	< 0.600 m	Compliant
	Maximum internal length burned	< 0.800 m	Compliant
	Maximum external length burned	< 0.800 m	Compliant
	Drop/incandescent remnants that are released from the exposed surface	None	Compliant
	Flaming or incandescent particles that penetrate the roof	None	Compliant
	A single opening through the sample	< 25 mm ²	Compliant
	Sum of the areas of all of the samples	< 4,500 mm ²	Compliant
	Lateral fire spread	< edges of the area of measurement	Compliant
	Internal incandescent combustion	None	Compliant

5.- CLASSIFICATION

In accordance with standard EN 13501-5:2005, the samples consisting of polymers, cork and additives in an aqueous system, applied to 10 mm calcium silicate plates, referred to as "**THERMOCORK INSULATION**", with a test gradient of 15°, received by CIDEMCO on 10 December 2008 receives the Classification on roof tests in relation to the action of external fire:

CLASSIFICATION: $B_{ROOF(t1)}$