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Testing. Advising. Assuring.

Title:

CLASSIFICATION OF
REACTION TO FIRE
PERFORMANCE
IN ACCORDANCE WITH
EN 13501-1:2007+A1: 2009.

Notified Body No:

0833

Product Name:

"Etalbond-FR" (4mm)

Report No:

WF 378950

Issue No:

3

Prepared for:

Elval Colour S.A.
3rd KM Inofyta Peripheral
Road, 32011 St. Thomas-
Viotia
Greece

Date:

1st February 2017



1. Introduction

This classification report defines the classification assigned to "Etalbond-FR", an aluminium composite panel with an FR grade core, in line with the procedures given in EN 13501-1:2007+A1: 2009.

2. Details of classified product

2.1 General

The product, "Etalbond-FR", is defined as being suitable for construction applications, excluding flooring and linear pipe thermal insulation.

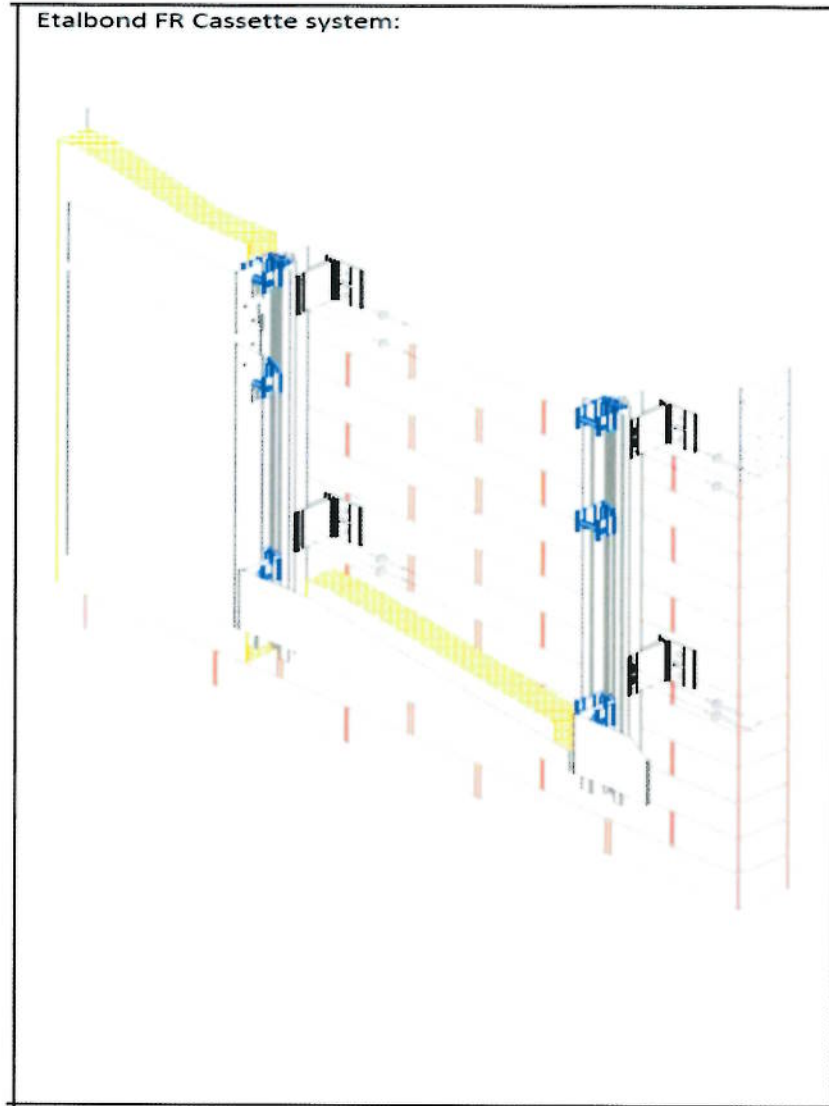
2.2 Product description

The product, "Etalbond-FR", is fully described below and in the test reports provided in support of classification listed in Clause 3.1.

General description		Aluminium composite panel with FR core
Product reference of composite		"Etalbond-FR" Production Code: 4H03161 TBWC project QG074
Colour reference of composite		"Argent Metallic"
Thickness of composite		4mm (Stated by sponsor)
Weight per unit area of composite		7.4kg/m ² (Stated by sponsor)
Top coat- clear coat (test face)	Product reference	"Clear coat"
	Generic type	Polyvinylidene difluoride (PVDF)
	Name of manufacturer	Beckers
	Colour reference	"Transparent"
	Number of coats	One
	Specific gravity	1.46g/cm ³
	Application thickness	9.1 microns
	Application method	Coil coating
	Curing process	Oven
	Flame retardant details	See Note 1 below
Base coat- paint coat (test face)	Product reference	"Paint coat"
	Generic type	Polyvinylidene difluoride (PVDF)
	Name of manufacturer	Beckers
	Colour reference	"Argent Metallic"
	Number of coats	One
	Specific gravity	1.56g/cm ³
	Application thickness	17.5 microns
	Application method	Coil coating
	Curing process	Oven
	Flame retardant details	See Note 1 below

Continued on next page

Diagram of Etalbond FR Cassette System



Brief description of manufacturing process

Fire resistant core is prepared by compounding the prescribed percentage of raw materials in the mixing unit of Elval Colour. The compound is coextruded with the adhesive through a die and is laminated with the upper and lower aluminium coils at the lamination unit.

Note 1: The sponsor of the test has confirmed that no flame retardant additives were utilised in the production of the component.

4. Classification and field of application

4.1 Reference of classification

This classification has been carried out in accordance with clause 8 of EN 13501-1:2007+A1: 2009 and ETAG 0034.

4.2 Classification

The product, "Etalbond-FR", an aluminium composite panel with an FR grade core, in relation to its reaction to fire behaviour is classified:

B

The additional classification in relation to smoke production is:

s1

The additional classification in relation to flaming droplets / particles is:

d0

The format of the reaction to fire classification for construction applications, excluding flooring and linear pipe thermal insulation is:

Fire Behaviour		Smoke Production			Flaming Droplets	
B	-	s	1	,	d	0

i.e. **B – s1 , d0**

Reaction to fire classification: B – s1, d0

4.3 Field of application

This classification is valid for the following end use applications, in accordance with ETAG 034:

- Wall and ceiling applications
- Façade cladding applications
- Used over any substrate of class A2 or better, with a density of 870kg/m³ or higher
- With or without mineral wool insulation (of minimum density ≥ 37.5 kg/m³)
- Mineral wool having a thickness of 25mm or greater
- Airspace of 40mm or greater

This classification is also valid for the following product parameters:

Product composition	No variation allowed
Product construction	No variation allowed

5. Limitations

This document does not represent type approval or certification of the product.

SIGNED

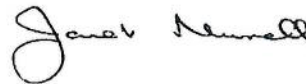


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Matthew Dale

Senior Certification Engineer
Technical Department

APPROVED



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Janet Murrell

Technical Manager
Technical Department
on behalf of **Exova Warringtonfire**

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Issue 2: Report re-issued on the 3rd February 2017 to correct information stated in the product description section.

Issue 3: Report re-issued on the 21st March 2017 to correct information stated in the product description section.