

Title:

CLASSIFICATION OF REACTION TO FIRE
PERFORMANCE
USING THE PRINCIPLES OF EN 13501-1:2007
+A1:2009

Notified Body No:

0833

Product Name:

“Metal Façade – No coating or with Anodised
Coating”

Report No:

WF 410806

Issue No:

1

Prepared for:

Ash & Lacy Solutions Ltd
Bromford Lane
West Bromwich
West Midlands
B70 7JJ

Date:

21st May 2019

1. Introduction

This classification report defines the indicated classification assigned to “Metal Façade – No Coating or with Anodised Coating”, a metal faced rainscreen façade system, using the principles of EN 13501-1:2007+A1: 2009.

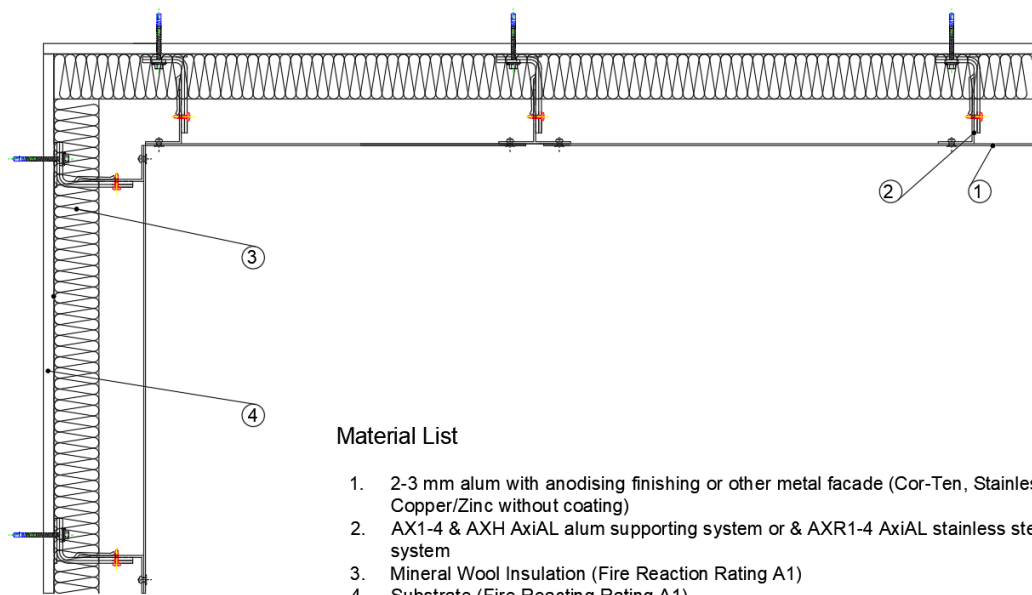
2. Details of classified product

2.1 General

The product, “Metal Façade – No Coating or with Anodised Coating”, a metal faced rainscreen façade system, is defined as being suitable for construction applications.

2.2 Product description

The product, “Metal Façade – No Coating or with Anodised Coating”, a metal faced rainscreen façade system, is described below.



Typical Details of Metal Façade – No Coating or With Anodised Coating

Generic type		Metal faced rainscreen façade system
Product reference		Metal Façade – No Coating or With Anodised Coating
Name of manufacturer		Ash & Lacy Solutions Ltd
Thickness		Variable
Façade Facing	Generic type	Flat Sheet, Cassette & Plank
	Applied System	VariAL-H, VariAL-SF, VariAL-CF1, VariAL-CF2, VariAL-CF3, VariAL-TF, VariAL-X, VariAL-F
	Material	Aluminium, Stainless Steel, Cor-Ten, Copper or Zinc
	thickness	2-3 mm for Alum, 1.5 mm Stainless Steel, <3 mm Cor-Ten, Copper or Zinc
Face Finish	Anodised coating for alum material, and mill finish for other material	
Mounting System	Reference	AX1-4, AXH, AXR1-4
	Material	6063T6 Alum for AX1-4, AXH, 316 Stainless Steel for AXR1-4
	Max cladding zone*	365 mm
Cavity	Depth	25-100 mm
Insulation	Generic type	Mineral wool of Classification A1
	Facing	With or without one of the following facings: 70g/m ² black tissue ref: 201/0250 70-100g/m ² , white tissue ref: 201/0261/0256 90g/m ² aluminium foil ref: 201/0220
	Thickness	50-340 mm
	Binder content	<5%
	Density	19-220 kg/m ³
Substrate	Not included in the report – should be A1	

* Cladding zone is the distance between the back of bracket to the front face of rails

Note 1: The sponsor has confirmed that no flame retardant additives were utilised in the Various elements of the system.

Note 2: This system does not include a vapour barrier or a breather membrane, since these components are not Class A1. If a vapour barrier is required guidance as to the required fire classification is given in Approved Document B

Note 3: The cavity should be closed at each floor slab using a cavity barrier in accordance with B3 of Approved Document B

3. Documentation in support of classification

Product (Component Part of External Wall System)	Reports and other Information
Façade Facing	Classified without further testing as A1 Commission Decision 96/603/EC, as amended 2000/605/EC
Mounting system	Stainless Steel or Aluminium- Classified without further testing as A1 Commission Decision 96/603/EC, as amended 2000/605/EC
Cavity	Air only
Insulation	Class A1, Commission Decision 96/603/EC, as amended 2000/605/EC Insulation should have a binder content of <5% and a density 19 to 220 kg/m ² .

3.2 Test results

Test method & test number	Parameter	No. tests	Results	
			Continuous parameter - mean (m)	Compliance parameters
EN ISO 1182	ΔT	5	<30	Compliant
	Δm		<50%	
	t_f		No flaming	
EN ISO 1716	PCS (a), (e)	3	<2.0 MJ/kg	Compliant

4. Classification and field of application

4.1 Reference of classification

This classification has been carried out following the principles of EN 13501-1:2007+A1: 2009 based on products which form a façade system which individually are deemed to be Class A1 in accordance with Commission Decision 96/603/EC, as amended 2000/605/EC or that have been tested and certificated as having an A1 performance.

4.2 Classification

The product, "Metal Façade – No Coating or with Anodised Coating", a metal faced rainscreen façade system, in relation to its reaction to fire behaviour is classified:

Reaction to fire classification: A1

4.3 Field of application

This classification is valid for the following end use applications:

- i) Construction applications

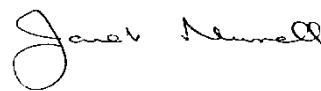
This classification is also valid for the following product parameters:

System thickness or depth	No variation from the described system allowed
Insulation thickness	≤ 340mm
Insulation Density	19 to 220 kg/m ³
Insulation Binder Content	<5%
Cavity Depth	≤ 100mm
System Composition	No variation allowed
Substrate	Class A1 only

SIGNED



APPROVED



Katherine Williams

Certification Engineer

Janet Murrell

Technical Manager
on behalf of **Warringtonfire**

This copy has been produced from a .pdf format electronic file that has been provided by Warringtonfire to the sponsor of the report and must only be reproduced in full. Extracts or abridgements of reports must not be published without permission of Warringtonfire. The pdf copy supplied is the sole authentic version of this document. All pdf versions of this report bear authentic signatures of the responsible Warringtonfire staff.

All work and services carried out by Warringtonfire Testing and Certification Limited are subject to, and conducted in accordance with, the Standard Terms and Conditions of Warringtonfire Testing and Certification Limited, which are available at <https://www.element.com/terms/terms-and-conditions> or upon request.