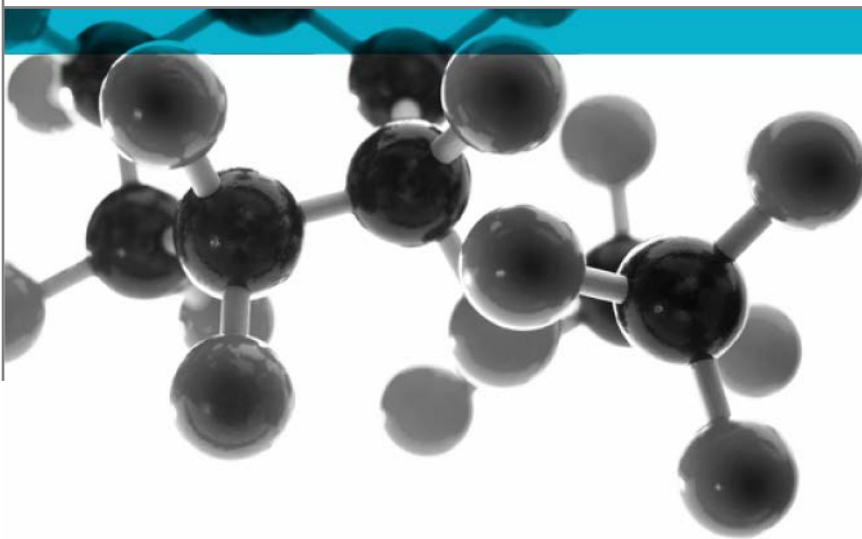


BS EN 13823:2010+A1:2014



Reaction to Fire Tests for Building Products - Building Products Excluding Floorings Exposed to the Thermal Attack by a Single Burning Item

A Report To: Aldom Aluminyum San. Tic. A.S

Document Reference: 417766

Date: 29th January 2020

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Executive Summary

Objective

To determine the fire performance of the following product when tested in accordance with BS EN 13823:2010+A1:2014.

Generic Description	Product reference	Thickness	Weight per unit area or application rate
A composite panel incorporating a layer of mineral filled / flame retardant inorganic A2 grade core bonded & backed with coated, chromium treated aluminium sheet	"ARESBOND U.S.A FR-A2"	4mm	8kg/m ²
Individual components used to manufacture composite:			
Coating	"Polyvinylidene Fluoride (PVDF) Coating"	First coat - 0.02mm Second coat - 0.01mm	0.07kg/m ²
Primer	"Polyester (PE) Coating"	0.007mm	0.02kg/m ²
Aluminium	"Aluminium Coil"	0.5mm	1.35kg/m ²
Adhesive	"Bonding Film"	Unwilling to provide	Unwilling to provide
Core	"FR Core A2 Level"	3mm	5.4kg/m ²
Adhesive	"Bonding Film"	Unwilling to provide	Unwilling to provide
Coating	"Polyester (PE) Coating"	0.007mm	0.02kg/m ²
Please see page 5, 6 & 7 of this test report for the full description of the product tested			

Test Sponsor

Aldom Alüminyum San. Tic. A. S, Velikoy Sanayi Bolgesi Cerkezkoý, Tekirdag, Turkey

Test Results (average) :

FIGRA (w/s)		THR 600s (MJ)	SMOGRA (m ² /s ²)	TSP 600s (m ²)
(0.2MJ)	(0.4MJ)	0.65	Recalculated	Recalculated
0.00	0.00		0.00	18.00

Lateral Flame Spread to End of Specimen? **None**
 Fall of Flaming Drop/Particle? **None**
 Flaming of Fallen Particle Exceeding 10s? **None**

Date of Test:

13th September 2019

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Author:

K Hughes

Issue Date:

29th January 2020

Client:

Aldom Alüminyum San. Tic. A.S



Issue No.:

1



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Signatories

	
Responsible Officer K. Hughes Senior Technical Officer	Authorised T. Mort * Senior Technical Officer

* For and on behalf of [Warringtonfire](#).

Report Issued: 29th January 2020

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