

REACTION TO FIRE - CLASSIFICATION REPORT EUI-21-000379-Revision 1

This report cancels and replaces the Classification Report, EUI-21-000379

1. INTRODUCTION

This classification report defines the classification assigned to VitraDual with the procedures given in BS EN 13501-1:2018.

REACTION TO FIRE CLASSIFICATION IN ACCORDANCE WITH BS EN 13501-1:2018

Sponsor :	Fairview Europe Ltd. t/a Valcan Dunball House Unit N Woodlands Court Business Park Bristol Road Bridgwater TA6 4FJ United Kingdom
Prepared by:	Efectis UK/Ireland
Product name:	VitraDual
Classification report No.:	EUI-21-000379-Revision 1
Issue number:	2
Date of issue:	16 th of December, 2021

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2. DOCUMENT TRACKING

Revision Index.	Modification
0	Original document
1	Some changes have been made on the address of the sponsor

3. DESCRIPTION OF THE PRODUCT

3.1. GENERAL

The product, VitraDual is defined as a Coated aluminum panel.

3.2. PRODUCT DESCRIPTION

The product, VitraDual, is described below or is described in the reports provided in support of classification listed in 4.1.

Product description			
Trade mark	VitraDual		
Composition	Topcoat	Topcoat PVDF paint Reference: PVDF Paint Supplier: Information provided but withheld on the report for commercially sensitive reasons Thickness: 40 microns Mass per unit area: 0.059 kg/m ² Colour: Wide range of colour Relative to the final product: 0.71% Black and white colour have been tested to ISO 1716 : 2018 as observed in Documents No. 420457 and No. 420458	
	Primer	Polyester front primer coating Supplier: Information provided but withheld on the report for commercially sensitive reasons Thickness: 5 microns Mass per unit area: 0.007 kg/m ² Colour: White Relative to the final product: 0.008%	
	Metal sheet	Aluminium coil sheet Supplier: Information provided but withheld on the report for commercially sensitive reasons Thickness: 3 mm Mass per unit area: 8.13 kg/m ² for 3 mm thick Relative to the final product: 97.832% Not tested According to the conventional classification of the Commission Decision 96/603/EC, as amended 2000/605/EC.	
	Rear primer	Epoxy primer back coating Reference: Epoxy Primer Supplier: Information provided but withheld on the report for commercially sensitive reasons Thickness: 8 microns Mass per unit area: 0.12 kg/m ² Colour: Grey Relative to the final product: 1.45% It has been tested to ISO 1716 : 2018 as observed in Document No. 420456	
Thickness	3 mm		
Mass per unit area	8.13 kg/m ² for 3	mm thick	
Density	2710 kg/m ³		



4. REPORTS AND RESULTS IN SUPPORT OF THIS CLASSIFICATION

4.1. REPORTS

Name of Laboratory	Name of sponsor	Report ref. no	Test method and date field of application rules and date
EFECTIS UK/Ireland	Fairview Europe Ltd. t/a Valcan	EUI-21-SBI-000379- Revision 1	BS EN 13823 : 2020
EFECTIS UK/Ireland	Fairview Europe Ltd. t/a Valcan	EUI-21-HC-000379- Revision 1	BS EN ISO 1716 : 2018
WARRINGTON	Fairview Europe Ltd. t/a Valcan	WF 420456 WF 420457 WF 420458	BS EN ISO 1716 : 2018

4.2. RESULTS

	Results					
Test method and test Parameter number	No. Tests a)	Continuous par	ameter - mea	ın (m)	Compliance with parameters	
	FIGRA _{0,2 MJ} (W/s)		C	0.00		-
	FIGRA _{0,4 MJ} 0.00 (W/s)			-		
	THR 600 s (MJ)		(MJ) 0.08		-	
BS EN 13823 : 2020 EUI-21-SBI-	SBI- 3		Compliant			
000379- Revision 1			-			
TSP _{600s} (m ²) Flaming droplets or particles		11.95		-		
	droplets or		-		Compliant	
BS EN ISO 1716 : 2018		3	Topcoat PVDF Paint Red color	18.60 (MJ/kg)	1.10 (MJ/m²)	-
EUI-21-HC- 000379- Revision 1 WF 420456	GSV (MJ/kg)	3	Polyester front primer coating	17.48 (MJ/kg)	0.12 (MJ/m²)	-
		3	Epoxy Primer	29.12 (MJ/kg)	0.35 (MJ/m²)	-



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WF 420457 WF 420458	3	Topcoat PVDF Paint White color	12.47 (MJ/kg)	0.73 (MJ/m²)	-	
	3	Topcoat PVDF Paint Black color	20.08 (MJ/kg)	1.18 (MJ/m²)	-	
		-	Aluminium sheet (Not tested)	0*	0*	-
		15	Specimen Overall	0.42 (MJ/kg)	3.48 (MJ/m²)	-
EN ISO 1182 :2020	-	-	Aluminium sh	eet (Not teste	ed)	A1*

*According to the conventional classification of the Commission Decision 96/603/EC, as amended 2000/605/EC.

a) Not for extended application

(-) means not applicable

5. CLASSIFICATION AND FIELD OF APPLICATION

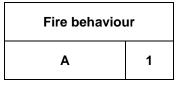
5.1. REFERENCE OF CLASSIFICATION

This classification has been carried out in accordance with BS EN 13501-1:2018.

5.2. CLASSIFICATION

The product, VitraDual, in relation to its reaction to fire behaviour is classified: **A1**

The format of the reaction to fire classification for construction products excluding floorings and linear pipe thermal insulation products is:



i.e.A1



5.3. FIELD OF APPLICATION

This classification is valid for the following product parameters and end-use applications:

lid for thickness of 3 mm and above
lid for Maximum Mass per unit area of 0.059 kg/m ²
lid for Maximum Mass per unit area of 0.007 kg/m ²
lid for Maximum Mass per unit area of 0.12 kg/m ²
lid for the density of 2710 kg/m ³
lid for tested type of product only (same formulation)
lid for fire on Topcoat PVDF Paint



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Colour	Valid for all colours
Substrate	Valid for any end use wood based substrates and $337.5 \pm 37.5 \text{ kg/m}^3$ density and also any end use substrate of classes A1 and A2-s1,d0 class
Air gaps / cavities	Valid for at least 50 mm air gaps / cavities between the panel and the substrate
Size and positioning of the test specimen	Valid for all product sizes.

6. LIMITATIONS

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

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Hamed Zoghi Project Leader

APPROVED R

Damien Flammier Technical Manager