

CLASSIFICATION REPORT No. 408445

Customer

FAIRVIEW EUROPE Ltd.

Dunball House, Woodlands Court Business Park, Bristol Road, Bridgwater, Somerset
TA6 4FJ England

Item[#]

**fibre-cement flat sheet treated with inks and paints named
"CERMAPANEL A1 PRINTED MATT"**

Activity



**fire classification of construction products and building
elements - part 1: classification using data from reaction
to fire tests in accordance with standard
UNI EN 13501-1:2019**

Results

**Classification
A1**

(#) according to that stated by the customer.

Bellaria-Igea Marina - Italy, 31 August 2023

Chief Executive Officer

(Dott. Arch. Sara Lorenza Giordano)

Firmato digitalmente da SARA LORENZA GIORDANO

Order:
97210

Activity site:

Istituto Giordano S.p.A. - Strada Erbosa Uno, 80 -
47043 Gatteo (FC) - Italy

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The results relate only to the item examined, as received, and are valid only in the conditions in which the activity was carried out.

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Chief Technician:

Per. Ind. Andrea Golinucci

Head of Reaction to Fire Laboratory:

Dott. Ing. Giombattista Traina

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Definition of classified item[#]

The item "CERMAPANEL A1 PRINTED MATT" is defined as a "fibre-cement flat sheet".

Description of classified item[#]

General description of the item	Thickness [mm]	Surface density [kg/m ²]
flat sheet in natural fiber cement surface treated with inorganic inks and transparent protective paints	8	12,9

Description of individual components from the face exposed to fire			
Description	Name	Thickness [mm]	Surface density [kg/m ²]
uv finish	##	//	0,010
uv two-component anti-abrasive	##	//	0,020
polyurethane three-component protective	##	//	0,040
inorganic ink	##	//	0,015
flat sheet in mass-colored fiber cement, density 1600 kg/m ³	CERMAPANEL A1 mass-colored	8	12,8

(##) the customer doesn't want to provide this information.

Normative references

Standard	Title
UNI EN 12467:2012	Fibre-cement flat sheets - Product specification and test methods
UNI EN 13823:2020	Reaction to fire tests for building products - Building products excluding floorings exposed to the thermal attack by a single burning item
UNI EN ISO 1182:2010	Reaction to fire tests for products - Non-combustibility test
UNI EN ISO 1182:2020	Reaction to fire tests for products - Non-combustibility test
UNI EN ISO 1716:2010	Reaction to fire tests for products - Determination of the gross heat of combustion (calorific value)
UNI EN 13501-1:2019	Fire classification of construction products and building elements - Part 1: Classification using data from reaction to fire tests

(#) according to that stated by the customer; Istituto Giordano declines all responsibility for the information and data provided by the client that may influence the results.



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Reports and results in support of this classification

Reports

Name of laboratory	Name of customer	Report No.	Test method and date
Istituto Giordano S.p.A.	FAIRVIEW EUROPE Ltd.	408370	UNI EN 13823:2020
Istituto Giordano S.p.A.	FAIRVIEW EUROPE Ltd.	408369	UNI EN ISO 1182:2010
Istituto Giordano S.p.A.	FAIRVIEW EUROPE Ltd.	408368	UNI EN ISO 1716:2010
Istituto Giordano S.p.A.	FAIRVIEW EUROPE Ltd.	408367	UNI EN ISO 1716:2010
Istituto Giordano S.p.A.	FAIRVIEW EUROPE Ltd.	408366	UNI EN ISO 1716:2010
Istituto Giordano S.p.A.	FAIRVIEW EUROPE Ltd.	408365	UNI EN ISO 1716:2010
Istituto Giordano S.p.A.	FAIRVIEW EUROPE Ltd.	408364	UNI EN ISO 1716:2010
Istituto Giordano S.p.A.	FAIRVIEW EUROPE Ltd.	408363	UNI EN ISO 1716:2010
Istituto Giordano S.p.A.	FAIRVIEW EUROPE Ltd.	408362	UNI EN ISO 1182:2020
Istituto Giordano S.p.A.	FAIRVIEW EUROPE Ltd.	408361	UNI EN ISO 1716:2010

Results in support of this classification

Test method	Test report No.	No. of tests	Parameter	Results	
				Continuous parameter - Mean	Discrete parameters - Compliance
UNI EN 13823:2020	408370 "CERMAPANEL A1 PRINTED MATT"	3	FIGRA _{0,2MJ}	2 W/s	N/A
			FIGRA _{0,4MJ}	2 W/s	N/A
			LFS < edge	N/A	Yes
			THR _{600s}	0,8 MJ	N/A
			SMOGRA	0 m ² /s ²	N/A
			TSP _{600s}	4 m ²	N/A
			Flaming droplets /particles	N/A	No
UNI EN ISO 1182:2010	408369 "CERMAPANEL A1 NOT TROUGHT COLORED" (substantial component)	5	ΔT	2 °C	N/A
			Δm	21 %	N/A
			t _f	0 s	N/A
UNI EN ISO 1182:2020	408362 "CERMAPANEL A1 TROUGHT COLORED" mass-colored fiber cement (substantial component)	5	ΔT	5 °C	N/A
			Δm	17 %	N/A
			t _f	0 s	N/A



Test method	Test report No.	No. of tests	Parameter	Results	
				Continu-ous parameter - Mean	Discrete parameters - Compliance
UNI EN ISO 1716:2010	408368 "CERMAPANEL A1 NOT TROUGHT COLORED" (substantial component)	3	PCS	0,3 MJ/kg	N/A
	408361 "CERMAPANEL A1 TROUGHT COLORED" (substantial component)	3	PCS	0,9 MJ/kg	N/A
	363732/12509/CPR "FINITURA MONOCOMPONENTE" uv finish (external non-substantial component)	3	PCS	27,0 MJ/kg 0,3 MJ/m ²	N/A N/A
	408367 "ANTIABRASIVO BICOMPONENTE" anti-abrasive (external non-substantial component)	3	PCS	25,1 MJ/kg 0,6 MJ/m ²	N/A
UNI EN ISO 1716:2010	408363 "PROTETTIVO TRICOMPONENTE POLIURETANICO" protective (external non-substantial component)	3	PCS	27,6 MJ/kg 1,1 MJ/m ²	N/A
	408366 "INCHIOSTRO INORGANICO (BLUE)" blue inorganic ink (external non-substantial component)	1	PCS	- 0,2 MJ/kg 0,0 MJ/m ²	N/A
	408365 "INCHIOSTRO INORGANICO" inorganic ink (external non-substantial component)	3	PCS	- 0,2 MJ/kg 0,0 MJ/m ²	N/A
	// "FINITURA MONOCOMPONENTE + ANTIABRASIVO BICOMPONENTE + PROTETTIVO TRICOMPONENTE POLIURETANICO + INCHIOSTRO INORGANICO" uv finish + anti-abrasive + protective + ink (external non-substantial component)	N/A	PCS	1,9 MJ/m ²	N/A
	// (whole product, in the pejorative version "colored in the mass")	N/A	PCS	1,0 MJ/kg	N/A

N/A = not applicable.



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Classification and field of application

Reference of classification

This classification is assigned in accordance with standard UNI EN 13501-1:2019.

Classification

The item "CERMAPANEL A1 PRINTED MATT", in relation to its reaction to fire behaviour, is classified:

A1

The final reaction to fire classification of the construction product is:

Classification: A1

Field of application

Fibre-cement thickness	(5 / 6 / 8 / 10 / 12) mm		
Fibre-cement density	1600 kg/m ³		
Fibre-cement type	not through colored / through colored with Carbon Black or iron oxides		
Surface treatment	without any treatment or surface treated with		
	Description	Quantity [kg/m ²]	PCS [MJ/kg]
	uv finish	≤ 0,010	≤ 27,0
	uv two-component anti-abrasive	≤ 0,025	≤ 25,1
	polyurethane three-component protective	≤ 0,040	≤ 27,6
	inorganic ink	≤ 0,015	0,0
Junction	joint opening width ≤ 8 mm		

and for the following end use applications:

Type of installation	ventilated cavity, without thermal insulation or with thermal insulation A2-s1, d0 class reaction to fire, fixed on metal frame directly behind the sheet by steel screws
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Limitations

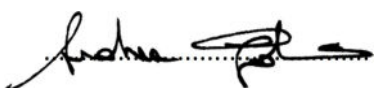
This classification report is valid as long as the item composition and structure, as well as test and classification standards, remain unchanged.

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

Note from the laboratory

The classification has been determined without taking in account the uncertainty of measurement, as stated in the reference standard.

Chief Technician
(Per. Ind. Andrea Golinucci)



Head of Reaction to Fire
Laboratory
(Dott. Ing. Giombattista Traina)

