

TEST REPORT**415960 / 1**

Revision: 0
Date of sample receipt: 17/07/26
Date of test: 17/08/26
Date of issue: 19/08/26
Sample name: Art. Arch

GABRIEL A/S
HJULMAGERVEJ, 55
9100 AALBORG
DK - DENMARK

Reaction to fire**Tests ordered**

- 1) "Combustible products which can be hit by flame on one surface - Reaction to fire by applying a small flame" (UNI 8457:2010).
- 2) "Reaction to fire of products which can be hit by flame with radiant heating" (UNI 9174:2010).

Description and end use of sample as declared by the client

Description: Art. Arch.

End use: mesh.

Deviations from the standard as requested by the client

The material was supplied as fabric samples where one half of each sample features an opaque material processing and the other half a transparent material processing. Therefore, the specimens were taken in the transverse direction only, including both processing types. Testing was performed exclusively on the exposed face of the received material.

Preliminaries

Sampling procedure and cutting direction of the specimens: performed by the client.

Material preparation (UNI 9176:2010 "Preparation of materials for verification of reaction to fire requirements"): method D.

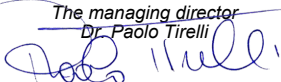
Conditioning: drying procedure for a minimum of 24 hours in a oven with forced air circulation at 40 ± 5 °C following a minimum of 48 hours at 23 ± 2 °C and 50 ± 5 % relative humidity.

Test results

Based on standard UNI 9177:2008 "Reaction to fire classification of combustible products", the sample examined complies with class 1 (ONE).

This test report is not issued according to articles 8 and 10 of D.M. 26-06-1984 amended by D.M. 03-09-2001.

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The managing director
Dr. Paolo Tirelli


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TEST REPORT

415960 / 2

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DK - DENMARK

Small flame on one surface UNI 8457:2010

Specimen preparation: without backing board

Contact time of pilot flame: 30 s

Test results:

Specimen n°	Afterflame time				Afterglow time				Damaged length				Dripping				Cotton thread breakage	
	1th series		2nd series		1th series		2nd series		1th series		2nd series		1th series		2nd series		1th ser.	2nd ser.
	s	lev.	s	lev.	s	lev.	s	lev.	mm	lev.	mm	lev.	Obser.	lev.	Obser.	lev.	Obser.	Obser.
1	28	2			0	1			85	1			exting.	1			no	
2	58	2			0	1			75	1			exting.	1			no	
3	0	1			0	1			70	1			exting.	1			no	
4	0	1			0	1			50	1			exting.	1			no	
5	0	1			0	1			55	1			exting.	1			no	
6	23	2			0	1			65	1			exting.	1			no	
7	36	2			0	1			140	1			exting.	1			no	
8	21	2			0	1			160	1			exting.	1			no	
9	52	2			0	1			150	1			exting.	1			no	
10	0	1			0	1			40	1			exting.	1			no	
Level	2				1				1				1					
Multiplic. factor	2				1				2				1					
Partial total	4				1				2				1					

Observations and/or special phenomena:

Specimen n° 1 - 2 - 3 - 4 and 5 have been obtained on the transversal opaque material.

Specimen n° 6 - 7 - 8 - 9 and 10 have been obtained along on the transversal transparent material.

TOTAL

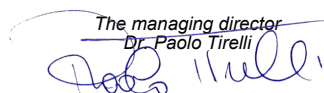
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RATING

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TEST REPORT

415960 / 3

Revision: 0
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Date of test: 10/08/26
Date of issue: 19/08/26
Sample name: Art. Arch

GABRIEL A/S
HJULMAGERVEJ, 55
9100 AALBORG
DK - DENMARK

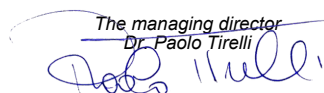
Radiant panel UNI 9174:2010

Test results:

Specimen setting: wall without backing board		Time in seconds of arrival at each given position of the flame front along the exposed surface								
Specimen n°		1th series opaque material transversal direction			2nd series transparent material transversal direction			L E V E L	M U L T I P L. F A C T O R	P A R T I A L F A C T O R
		1	2	3	1	2	3			
Distance of marked lines from the nearest position to the radiant panel, in mm	100	-	-	-	-	-	-			
	150									
	200									
	250									
	300									
	350									
	400									
	450									
	500									
	550									
	600									
	650									
	700									
	750									
	800									
Average flame spread rate, mm/min		0	0	0	0	0	0			
Level		1	1	1	1	1	1	1	2	2
Damaged length, mm		< 100	< 100	< 100	< 100	< 100	< 100			
Level		1	1	1	1	1	1	1	2	2
Afterglow time, s		0	0	0	0	0	0			
Level		1	1	1	1	1	1	1	1	1
Dripping		exting.	exting.	exting.	exting.	exting.	exting.			
Level		1	1	1	1	1	1	1	1	1
Observations: /		TOTAL RATING								6 I

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