



P.A.T.I. Spa
Via Beltramini, 50/52
31020 - San Zenone degli Ezzelini (TV)

FIRE CLASSIFICATION IN COMPLIANCE WITH UNI EN 13501-1:2009 STANDARD

This classification report defines the classification assigned to the product "Film ETFE" (ethylene tetrafluoro ethylene), model: "ETFECT" ETFE Film, leaning on aluminum frame, in compliance with the procedures given in the EN 13501-1:2009 standard

- **Classification report No.:** N026R01/14
Cancels and supersedes report of classification
N026/14 of 28-02-2014
- **Name or model of the product:** "ETFECT" ETFE Film

Date of issue: 07-03-2014

Page 1 of 5

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Classification report no. N026R01/14

DETAILS OF THE RATED PRODUCT

- Description of the product:

Film ETFE (ethylene tetrafluoro ethylene), with thickness from 100 to 300 microns.



TEST REPORT AND TEST RESULTS

NAME OF LABORATORY	NAME OF SPONSOR	TEST REPORT No.	TEST METHOD
t ² i	P.A.T.I. Spa	N026/14	UNI EN 13823:2010
t ² i	P.A.T.I. Spa	N026/14	UNI EN 11925-2:2010

Test method	Parameter	No. of tests	Results	
			Continuous parameter mean	Compliance with parameters
UNI EN ISO 11925-2 15 s exposure	Flame spread ≤150 mm	6	(-)	YES
UNI EN ISO 13823	FIGRA _{0,2MJ}	3	≤120 W/s	(-)
	FIGRA _{0,4MJ}		≤120 W/s	(-)
	LFS		< edge of the specimen	YES
	THR _{600s} (MJ)		≤ 7,5 MJ	(-)
	SMOGRA (m ₂ /s ₂)		Threshold not reached	(-)
	TSP _{600s}		5,9 m ²	(-)
	Flaming dropets/particles		NO	YES

NAME OF LABORATORY	NAME OF SPONSOR	TEST REPORT No.	TEST METHOD
t ² i	P.A.T.I. Spa	N027/14	UNI EN 13823:2010
t ² i	P.A.T.I. Spa	N027/14	UNI EN 11925-2:2010

Test method	Parameter	No. of tests	Results	
			Continuous parameter mean	Compliance with
UNI EN ISO 11925-2 15 s exposure	Flame spread ≤150 mm	6	(-)	YES
UNI EN ISO 13823	FIGRA _{0,2MJ}	3	≤120 W/s	(-)
	FIGRA _{0,4MJ}		≤120 W/s	(-)
	LFS		< edge of the specimen	YES
	THR _{600s} (MJ)		≤ 7,5 MJ	(-)
	SMOGRA (m ₂ /s ₂)		Threshold not reached	(-)
	TSP _{600s}		5,8 m ²	(-)
	Flaming dropets/particles		NO	YES



CLASSIFICATION AND FIELD OF APPLICATION

This classification has been carried out in compliance with UNI EN 13501-1:2009 standard

Classification

Film ETFE in relation to its reaction to fire is classified:

B

The additional classification in relation to smoke production is:

s1

The additional classification in relation to flaming dropets/particles è:

d0

Fire behaviour		Smoke production		Flaming dropets/particles	
B	-	s 1	,	d	0

REACTION TO FIRE CLASSIFICATION: B - s1 - d0



LIMITATIONS

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

The classification assigned to the product in this report is appropriate to a declaration of conformity by the manufacturer within the context of System 3 attestation of conformity and CE marking under the Construction Products Directive.

The manufacturer has made a declaration, which is held on file. This confirms that the product's design REQUIRES NO specific processes, procedures or stages (e.g. flame-retardants, limitation of organic content, or addition of fillers) that are aimed at enhancing the fire performance in order to obtain the classification achieved. As a consequence the manufacturer has concluded that system 3 attestation is appropriate.

The test laboratory has, therefore, played no part in sampling the product for the test, although it holds appropriate references, supplied by the manufacturer, to provide for traceability of the samples tested.

PREPARED BY: Laboratory Technician (ONGARO Tomas)	REVIEWED BY: Laboratory Technical Manager (CIBIN arch. Alessandro)
 	 