The Experts On Fire Safety
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CLASSIFICATION OF REACTION TO FIRE
FIRES-CR-054-25-AUPE

Silicon coated woven glass fabrics FBM1290
- Fire Limitation Blanket Fabric for CFB1209

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

with direct field of application

FIRES-CR-054-25-AUPE

Name of the product:	Silicon coated woven glass fabrics FBM1290 - Fire Limitation Blanket Fabric for CFB1209
Sponsor:	PROSOL U.K. Sales and Distribution Ltd, 14-16 Gleadless Rd. Lowfield S2 3AB Sheffield United Kingdom
Prepared by:	FIRES, s.r.o. Notified Body No. 1396 Osloboditeľov 282 059 35 Batizovce Slovak Republic
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1. INTRODUCTION

This classification report defines the reaction to fire classification assigned to element Silicon coated woven glass fabrics FBM1290 - Fire Limitation Blanket Fabric for CFB1209 in accordance with the procedures given in EN 13501-1: 2018.

2. DETAILS OF CLASSIFIED PRODUCT

2.1 GENERAL

The element, Silicon coated woven glass fabrics FBM1290 - Fire Limitation Blanket Fabric for CFB1209, is defined as a Fire Limitation Blanket Fabric.

2.2 PRODUCT DESCRIPTION

Product is made of woven glass-fibre textile FBM1290 both sides treated by grey silicone coating:

- mass per unit area declared by sponsor 270 g.m^{-2};
- nominal thickness 0,2 mm.

Composition:

	Name	Mass per unit area [g.m^{-2}]	Bulk density [kg.m^{-3}]	Colour
layer 1	grey fire-resistant silicone coating SR1	30	1300	grey
layer 2	woven glass textile EC9-68	210	1000	white
layer 3	grey fire-resistant silicone coating SR1	30	1300	grey

3. TEST REPORTS IN SUPPORT OF CLASSIFICATION

3.1 TEST REPORTS

No.	Name of laboratory	Name of sponsor	Test report No.	Date of the test	Test method	Type of the test
[1]	FIRES, s.r.o., Batizovce, SVK	PROSOL U.K. Sales and Distribution Ltd, Sheffield, UK	FIRES-RF-015-25-AUNE	14. 03. 2025	EN 13823: 2020 + A1: 2022	A
[2]			FIRES-RF-025-25-AUNE	08. 04. 2025	EN ISO 11925-2: 2020	A

Type of the test: A – accredited, N – non-accredited

[1], [2] Test specimens were conditioned according to EN 13238 before the reaction to fire tests

[1], [2] Silicon coated woven glass fabrics FBM1290 - Fire Limitation Blanket Fabric for CFB1209

3.2 TEST SPECIMENS

Test report No.	Samples information	Conditioning
[1]	The test laboratory recorded test samples production data in the test report (see clause 3).	The specimen was stored in the hall of testing laboratory and conditioned according to EN 1363-1 under following climatic conditions: Ambient air temperature: 22,3°C, st. deviation 0,8°C Relative air humidity: 45,5 %, st. deviation 4,1%

3.3 TEST RESULTS

Test report number and test method	Characteristic value	Number of tests	Results: Continuous parameter - mean (m)	Results: Compliance with parameters
[1] STN EN 13823	$FIGRA_{0,2MJ}$	3	0,0	(-)
	$FIGRA_{0,4MJ}$		0,0	(-)
	LFS<edge of specimen		(-)	compliant
	THR_{600s}		0,4	(-)
	SMOGRA (m^2/s^2)		70,4	(-)
	TSP600s (m^2)		24,1	(-)
	flaming droplets/particles		occurrence	non-compliant
			flaming ≤ 10 s	(-)
			flaming >10 s	(-)
[2] EN ISO 11925-2 surface/edge of specimen* exposed to flame (exposure time 30 s)	F_s ≤ 150 mm	12	(-)	compliant
flaming droplets/particles	ignition of the paper		(-)	non-compliant

* Specimens main surface and edge (bottom part of fabric) were exposed to flame.

4. CLASSIFICATION AND FIELD OF APPLICATION

4.1 REFERENCE OF CLASSIFICATION

This classification has been carried out in accordance with clause 11.6 of EN 13501-1: 2018.

4.2 CLASSIFICATION

The product, Silicon coated woven glass fabrics FBM1290 - Fire Limitation Blanket Fabric for CFB1209, in relation to its reaction to fire behaviour is classified:

B

The additional classification in relation to smoke production is:

s2

The additional classification in relation to flaming droplets/particles is:

d0

The format of the reaction to fire classification for construction products excluding floorings is:

Fire behaviour		Smoke production			Flaming droplets	
B	-	s	2	,	d	0

Reaction to fire classification: B – s2, d0

4.3 FIELD OF APPLICATION

This classification is valid for the following final use applications:

i) the product can be applied without or with substrate with reaction to fire class A1 or A2 – s1, d0;

ii) the product can be applied with or without air gap directly onto the substrate with reaction to fire class A1 or A2 - s1, d0;

iii) the product can be fixed to substrate mechanically or free lay down;

iv) the product can be applied in horizontal (except floorings) and in vertical position;

v) classification reaction to fire is valid from both product sides (rear and front side - symmetrical product).

This classification is also valid for the following product parameters:

Thickness [mm]	change in the thickness is allowed within production tolerances only;
Product composition	change in the product composition is not allowed;
Mass per unit area [$g.m^{-2}$]	change in the area density is allowed within production tolerances only;

5. LIMITATIONS

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

The classification is valid provided that the product, field of application and standards and regulations are not changed.

Approved by:

Ing. Marek Gorlický
Head of the Testing Laboratory

Prepared by:

Ing. Samuel Skokan
Technician of the Testing Laboratory