
Investigation report

Supplied by Vyva Fabrics
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Datum - date : 18.06.2024

Investigation report No. 24/1823

Order description:	Fire behaviour of building materials and building components accordance DIN 4102-1 B2 (1998-05) - Test for normal flammability
Test samples:	SILVERGUARD, MAGLIA
Sampling:	by orderer
Orderer:	see address
Date of order:	28.05.2024
Receipt of order:	03.06.2024
Date of testing:	18.06.2024
Number of pages:	4

Remark: The results are valid only for the tested object. Accredited test methods are underlined. The valuations and Interpretations in the investigation report are not subject to accreditation. Tests conducted through co-operation partners are marked with °. All information provided by the customer, which is taken over unchecked and thus reflected in the examination report, are placed in quotation marks on the first page of the investigation report. The content of this investigation report will not be passed to third persons without written approval of the orderer. The partial publication of the test report, as well as the usage for commercial process, is only allowed with a permission of the DELCOTEX Delius Techtex GmbH & Co. KG. Remnants of test material will be destroyed after 3 months. Previously stated specifications / data sheets / certificates are only characters and no warranties. Also no warranty in case of durability will be overtaken. Finally our general delivery and payment conditions are valid (please see www.textillabor.eu).

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Test results

Description of test material in condition as delivered

Name of the material	Description of samples	Colour	thickness [mm]	weight [g/m ²]
"SILVERGUARD, MAGLIA"				
addition D-LAB			≈ 1,12	≈ 1,12

The testing laboratory is not provided with further details concerning composition of the tested building materials.

Preparation of samples:

Out of the material there have been cut samples for the ignitability apparatus. The samples were kept 14 days in climate chamber 23 +/- 2 °C and 50 +/- 5 humidity.

Special remarks: -

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1. Methode: Fire behaviour of building materials and building components accordance DIN 4102-1 B2 (1998-05) - Test for normal flammability

2. Description of test material in condition as delivered: look at page 2

3. Preperation of samples:

Out of the material there have been cut samples for the ignitability appartus. The samples were kept 14 days in climate chamber 23 +/- 2 °C and 50 +/- 5 humidity.

4. Arrangement of samples: freely suspended, flaming in lenght and cross direction / flaming only side A at customer request in surface-test

5. Date of Test: 18.06.2024

Test results of normal flammability

"SILVERGUARD, MAGLIA" lenght direction	Dim.	edge-test						surface-test					
samples no.		1	2	3	4	5	6	1	2	3	4	5	6
flaming direction	A/B	A	A	A	B	B	/	A	B	/	/	/	/
ignition ¹⁾	s	1	1	1	1	1	/	6	5	/	/	/	/
reaching the mark of measurement ¹⁾²⁾	s	-	-	-	-	-	/	-	-	/	/	/	/
max. flame height	cm	5	5	6	9	9	/	8	7	/	/	/	/
time	s	5	5	8	11	10	/	11	12	/	/	/	/
self cessation of the flames end of afterflame ¹⁾	s	15	15	15	17	17	/	15	18	/	/	/	/
end of glowing ¹⁾	s	-	16	-	-	-	/	-	-	/	/	/	/
flames were extinguished after ¹⁾	s	-	-	-	-	-	/	/	/	/	/	/	/
smoke development (visual)		very strong						very strong					
dropping of burning material during 20s ¹⁾	s	-	-	-	-	-	/	/	/	/	/	/	/
Appearance after test: burned out till max. width 2,0cm height 7,5cm													

"SILVERGUARD, MAGLIA" cross direction	Dim.	edge-test						surface-test					
samples no.		1	2	3	4	5	6	1	2	3	4	5	6
flaming direction	A/B	A	A	A	B	B	/	A	B	/	/	/	/
ignition ¹⁾	s	1	1	1	1	1	/	5	6	/	/	/	/
reaching the mark of measurement ¹⁾²⁾	s	-	-	-	-	-	/	-	-	/	/	/	/
max. flame height	cm	6	6	6	9	9	/	8	8	/	/	/	/
time	s	6	8	7	12	11	/	13	12	/	/	/	/
self cessation of the flames end of afterflame ¹⁾	s	15	19	15	17	17	/	15	16	/	/	/	/
end of glowing ¹⁾	s	-	-	-	-	-	/	-	-	/	/	/	/
flames were extinguished after ¹⁾	s	-	-	-	-	-	/	/	/	/	/	/	/
smoke development (visual)		very strong						very strong					
dropping of burning material during 20s ¹⁾	s	-	-	-	-	-	/	/	/	/	/	/	/
Appearance after test: burned out till max. width 2,0cm height 7,0cm													

1) time mentioned from the beginning of the test

2) during 20 Sec

-/- no appearance

- no information

6. Remarks and explanations to the testing procedure: -none-

7. Opinion concerning the dropping of burning material:

The material shows no dripping burning material.

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Test results

Article: "SILVERGUARD, MAGLIA"

Result:

According to the test results of page 2, the material **fulfilled** the requirements of building materials class B2 to DIN 4102-1.

DIN 4102-B2	passed
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A handwritten signature in blue ink, appearing to be "BHS".

i.A. Bianca Hüttemann
Labor/Laboratory

DELCOTEX Delius Techtex GmbH & Co. KG

Only the information contained in the signed test report is binding.