

## MATERIAL REACTION TO FIRE CLASSIFICATION REPORT

prepared in compliance with amended 5 of the French Home Office Regulation  
dated November 21<sup>st</sup>, 2002 (Official Gazette dated December 31, 2002)

Valid five years from issue date

**REPORT N° 13-04516 L**

And appendices of 7 pages

**MATERIAL presented by :** VESCOM B.V  
Sint Jozefstraat 20  
NL-5753 DEURNE

**TRADE NAME :** FLINT – MIOKO – ROMO – BURANO

**BRIEF DESCRIPTION :** Fabric made of inherent flame retardant polyester fibers TREVIRA CS  
Nominal surface weight : 205 and 295 g/m<sup>2</sup>  
Thickness : about 0.4 to 0.5 mm  
Colours : various

**TEST REPORT :** N° 13-04516 dated January 20<sup>th</sup>, 2014

**TESTS :** Electrical burner test  
Flame persistence test  
Dripping test.

**CLASSIFICATION :** **M 1**

**CLASSIFICATION DURATION (appendix 22):** unlimited unless otherwise specified

given the criteria resulting from the tests described in the enclosed test report.

The classification indicated does not mean that materials marketed comply with the test samples and must not be considered as a qualification certificate as defined by French law dated June 3, 1994.

N.B.: Only integral copies of this document may be made by photocopying the classification report and/or the classification report and enclosed test report.

Issued in Lyon, France, on January 20<sup>th</sup>, 2014

Director or empowered person

**Bruno CHEVET**

PO 



ACCREDITATION  
N° 1-0101\*  
PORTÉE  
COMMUNIQUÉE  
SUR DEMANDE

**MÜLLER ZELL GMBH**  
BERGMANN Marion  
KAR-REICHEL-ST.28  
DE-95237 WEIBDORF  
ALLEMAGNE

IFTH reference : DL131129-015

**TEST REPORT N° 13-04516**

Only the tests carried under COFRAC accreditation are identified by the explicit mention  
This report shall only be reproduced in full

**PURPOSE OF THE REQUEST**

Customer reference :

Date of request : 28/11/2013

Purchase order : Request from Mrs Bergmann

Samples supplied on : 17/12/2013

Subject : Essais de réaction au feu

N° CE/CL :

N° CQ :

**SAMPLE(S) REFERENCE(S)**

13-04516-001 : FLINT-MIOKO-ROMO-BURANO

Pascal DENIZART  
Head of Quality Management and Enterprise Solutions

Number of pages : 7

Appendix : 0

« The uncertainty associated to the result was not explicitly taken in consideration to declare the conformity to the specification. Conformities are given only for the results associated to a specification. *Results of this test report are only valid for specimens subjected to testing at IFTH.* »

**I.F.T.H. service clientèle**

Avenue Guy de Collongue - 69134 ECULLY CEDEX  
FRANCE

SIRET 433 430 832 00017

This report has been approved electronically according to the norm requirements NF EN ISO/CEI 17025

**SAMPLE DESCRIPTION ANNOUNCED BY THE CLIENT**

13-04516-001	FLINT-MIOKO-ROMO-BURANO
Composition	Tissu 100% polyester TREVIRA CS ignifugé dans la masse / Fabric 100% polyester TREVIRA CS fireproofed in the mass
Mass per unit area	205 à 295 g/m <sup>2</sup>
Measured Thickness	0,4 à 0,5 mm
Color	Burano 8003.23 (violet) / Romo 8028.12 (gris) / Mioko 8013.35 (turquoise) / Flint 8001.01 (jaune)
Test requested by	Vescom B.V
Name and address of the producer	Müller Zell GmbH Karl-Reichel Str 28 95237 Weißdorf
Name and address of the supplier	Müller Zell GmbH Karl-Reichel Str 28 95237 Weißdorf

RESULTS SUMMARY

13-04516-001	FLINT-MIOKO-ROMO-BURANO
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Only the tests identified by the symbol (\*) are made under the cover of the COFRAC accreditation

Measurements	Results	Acceptable range of value	Conformity
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Standard

(\*) **NF P 92-503 (Décembre 1995)** Pre-treatment : None

Number of tested specimens	4		
Date of the test	14/01/2014		
Average of carbonized lengths (in mm)	201		--
Average of carbonized widths between 45 and 60 cm (in mm)	/		--
Drilling by fusion without ignition or with ignition less than 5 s	Yes		--
Maximum duration of ignition (in s)	0		--
Fall of ardent drops or fragment fired	No		--
Afterglow with spread on more than 25 cm (in mm)	No		--
Comments :			

(\*) **NF P 92-504 (Décembre 1995)** Pre-treatment : None

Conditioning of specimens before tests	$(23 \pm 2)^{\circ} \text{C}$ and $(50 \pm 5) \% \text{RH}$ during minimum 7 days		
Number of tested specimens	4		
Date of the test	14/01/2014		
Maximum duration of ignition (in s)	1		--
Fall of ardent drops or fragment fired	No		--
Comments :			

(\*) **NF P 92-505 (Décembre 1995)** Pre-treatment : None

Conditioning of specimens before tests	$(23 \pm 2)^{\circ} \text{C}$ and $(50 \pm 5) \% \text{RH}$ during minimum 7 days		
Number of tested specimens	4		
Date of the test	14/01/2014		
At least one sample ignited cotton	No		--
Comments :			

DETAILS OF RESULTS

13-04516-001	FLINT-MIOKO-ROMO-BURANO
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**Safety against fire. Building materials. Reaction to fire tests. Electrical burner test used for flexible materials  
NF P 92-503 (Décembre 1995)**

Test carried out according to COFRAC accreditation

PROCESS CONDITIONS

Conditioning of specimens before tests	(23 ± 2)° C and (50 ± 5) % RH during minimum 7 days
Number of tested specimens	4
Date of the test	14/01/2014
Pre-treatment :	None

RESULTS

Specimen 1

specimen tested	Burano - Coloris 8003-23 / Violet
Side tested	Front side
Direction tested	Warp direction
Other informations:	/
Times of ignitions (in s)	0
Durations of ignitions (in s)	0
Fall of not ardent drops	Yes
Fall of ardent drops	No
Fall of fragment fired	No
Carbonized length (in mm)	207
Carbonized width between 45 and 60 cm (in mm)	/
Afterglow with spread on more than 25 cm (in mm)	No

Specimen 2

specimen tested	Romo - 8028-12 / Gris
Side tested	Back side
Direction tested	Warp direction
Other informations:	/
Times of ignitions (in s)	0
Durations of ignitions (in s)	0
Fall of not ardent drops	Yes
Fall of ardent drops	No
Fall of fragment fired	No
Carbonized length (in mm)	199
Carbonized width between 45 and 60 cm (in mm)	/
Afterglow with spread on more than 25 cm (in mm)	No

Specimen 3

specimen tested	Mioko - 8013-35 / Turquoise
Side tested	Front side
Direction tested	Weft direction
Other informations:	/
Times of ignitions (in s)	0
Durations of ignitions (in s)	0
Fall of not ardent drops	Yes
Fall of ardent drops	No
Fall of fragment fired	No
Carbonized length (in mm)	194
Carbonized width between 45 and 60 cm (in mm)	/
Afterglow with spread on more than 25 cm (in mm)	No

Specimen 4

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specimen tested	Flint - 8001-01 / Jaune
Side tested	Back side
Direction tested	Weft direction
Other informations:	/
Times of ignitions (in s)	0
Durations of ignitions (in s)	0
Fall of not ardent drops	Yes
Fall of ardent drops	No
Fall of fragment fired	No
Carbonized length (in mm)	204
Carbonized width between 45 and 60 cm (in mm)	/
Afterglow with spread on more than 25 cm (in mm)	No
<b>Average of carbonized lengths (in mm)</b>	<b>201</b>
<b>Average of carbonized widths between 45 and 60 cm (in mm)</b>	<b>/</b>
<b>Drilling by fusion without ignition or with ignition less than 5 s</b>	<b>Yes</b>
<b>Maximum duration of ignition (in s)</b>	<b>0</b>
<b>Fall of ardent drops or fragment fired</b>	<b>No</b>
<b>Afterglow with spread on more than 25 cm (in mm)</b>	<b>No</b>

COMMENTS

DETAILS OF RESULTS

13-04516-001	FLINT-MIOKO-ROMO-BURANO
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**Safety against fire. Building materials. Reaction to fire tests. Flame persistence test and speed of the spread of flame.**  
**NF P 92-504 (Décembre 1995)**

Test carried out according to COFRAC accreditation

PROCESS CONDITIONS

Conditioning of specimens before tests	(23 ± 2)° C and (50 ± 5) % RH during minimum 7 days
Number of tested specimens	4
Date of the test	14/01/2014
Pre-treatment :	None

RESULTS

Specimen 1	Specimen tested	Flint - 8001-01 / Jaune
	Side tested	Front side
	Direction tested	Warp direction
	Other informations:	/
	Durations of inflammations (in s)	0/0/0/0/0/0/0/0/0
	Fall of not ardent drops	Yes
	Fall of ardent drops	No
Specimen 2	Specimen tested	Mioko - 8013-35 /Turquoise
	Side tested	Back side
	Direction tested	Warp direction
	Other informations:	/
	Durations of inflammations (in s)	0/1/0/0/0/0/0/0/0
	Fall of not ardent drops	Yes
	Fall of ardent drops	No
Specimen 3	Specimen tested	Romo - 8028-12 /Gris
	Side tested	Front side
	Direction tested	Weft direction
	Other informations:	/
	Durations of inflammations (in s)	0/0/0/0/0/0/0/0/0
	Fall of not ardent drops	Yes
	Fall of ardent drops	No
Specimen 4	Specimen tested	Burano - 8003-23 /Violet
	Side tested	Back side
	Direction tested	Weft direction
	Other informations:	/
	Durations of inflammations (in s)	0/0/0/0/0/0/0/0/0
	Fall of not ardent drops	Yes
	Fall of ardent drops	No
	<b>Maximum duration of ignition (in s)</b>	<b>1</b>
	<b>Fall of ardent drops or fragment fired</b>	<b>No</b>

COMMENTS

DETAILS OF RESULTS

13-04516-001	FLINT-MIOKO-ROMO-BURANO
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**Safety against fire. Building materials. Reaction to fire tests. Test used for thermalmelting materials. Dripping test.  
NF P 92-505 (Décembre 1995)**

Test carried out according to COFRAC accreditation

PROCESS CONDITIONS

Conditioning of specimens before tests	(23 ± 2)° C and (50 ± 5) % RH during minimum 7 days
Number of tested specimens	4
Date of the test	14/01/2014
Pre-treatment :	None

RESULTS

Specimen 1		
Specimen tested		Flint - 8001-01 / Jaune
Other informations:		/
Times of ignitions (in s)		0
Durations of ignitions (in s)		0
Fall of not ardent drops		Yes
Fall of ardent drops		No
Ignition of cotton		No
Specimen 2		
Specimen tested		Burano - 8003-23 / violet
Other informations:		/
Times of ignitions (in s)		46
Durations of ignitions (in s)		8
Fall of not ardent drops		Yes
Fall of ardent drops		No
Ignition of cotton		No
Specimen 3		
Specimen tested		Romo - 8028-12 /Gris
Other informations:		/
Times of ignitions (in s)		0
Durations of ignitions (in s)		0
Fall of not ardent drops		Yes
Fall of ardent drops		No
Ignition of cotton		No
Specimen 4		
Specimen tested		Mioko - 8013-35 / Turquoise
Other informations:		/
Times of ignitions (in s)		0
Durations of ignitions (in s)		0
Fall of not ardent drops		Yes
Fall of ardent drops		No
Ignition of cotton		No
<b>At least one sample ignited cotton</b>		<b>No</b>

COMMENTS

\* End of report \*