

Our Ref: SW/PN/BR

17 August 2015

**Report 257981/2**

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Vescom BV  
St-Jozefstraat 20  
NL-5753 AV Deurne

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DATE RECEIVED	:	14 JULY 2015
QUALITY REFERENCE	:	SAPHIR
VESCOM REFERENCE	:	MORONI
REPUTED FIBRE CONTENT	:	100% BLACK OUT FABRIC
FABRIC DESCRIPTION	:	COATED
COLOUR/DESIGN	:	WHITE

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REQUEST: Fire tests according to IMO Resolution MSC 307(88) (2010 FTP Code) Part 7 Test for vertically supported textiles and films.


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COMMENT: On the basis of the test carried out, the sample submitted meets the flammability performance criteria for curtains and drapes outlined in IMO Resolution MSC 307(88) (2010 FTP Code) Part 7.

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**HEAD OF FLAMMABILITY**

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**Fire tests according to IMO Resolution MSC 307(88) (2010 FTP Code) Part 7  
“Test for vertically supported textiles and films”.**

### **Test procedure**

The sample of Fabric, Quality: Saphir was tested in accordance with the test method described in the above Resolution.

### **Requirements**

Clause 3 ‘Performance Criteria for Curtains and Drapes’ states that products which show any of the following characteristics should be considered unsuitable for use as curtains, drapes or free-hanging fabric product for use in rooms containing furniture and furnishings of restricted fire risk, as defined in Regulation II-2 of the Convention:.

1. An after-flame time greater than 5 sec for any of the 10 or more specimens tested with surface application of the pilot flame;
2. Burn through to any edge of any of the 10 or more specimens tested with surface application of the pilot flame;
3. Ignition of cotton wool below specimen in any of the 10 or more specimens tested;
4. An average char length, as determined by Appendix 2, in excess of 150mm in any of the batches of five specimens tested by either surface or edge ignition;
5. The occurrence of a surface flash propagating more than 100mm from the point of ignition with or without charring of the base fabric;

If it is found that either or both of the batches of five specimens cut in both warp and weft directions fail to meet one or more of the criteria specified in subparagraphs 1 to 3 and 5 above because of poor performance of only one of the five specimens tested, one complete re-test of a similar batch is permitted. Failure of the second batch to meet any of the criteria shall provide the basis for rejection of the fabric for use.

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### Conditioning

The sample was conditioned for a minimum of 24 hours in the standard atmosphere for conditioning textiles of  $20 \pm 5^\circ\text{C}$  and  $65 \pm 5\%$  r.h. prior to being tested.

As the sample was stated to be inherently flame resistant, the test was carried out in the 'as received' condition only.

### Determination of mode of test:

	Surface ignition	Edge ignition
5s flame application	No ignition	No ignition
15s flame application	No ignition	Ignition

A 40mm high propane gas flame was applied to the edge of warp and weft specimens for 15 seconds and the after-flame time, length of char, existence of surface flashing and the ignition of cotton wool from drops of flaming debris were recorded.

Note: Commercial grade propane gas (approx. 90% purity) was used instead of the 95% pure propane gas specified in the test method.

### Test Results

Warp / Length	After flame (s)	Flame reach edge	Char length (mm)	Cotton wool ignited	Surface flash >100mm
1	0.0	No	125	No	No
2	0.0	No	150	No	No
3	0.0	No	85	No	No
4	0.0	No	110	No	No
5	0.0	No	120	No	No
Mean	0.0	N/A	118	N/A	N/A

Weft / Width	After flame (s)	Flame reach edge	Char length (mm)	Cotton wool ignited	Surface flash >100mm
1	0.0	No	70	No	No
2	0.0	No	75	No	No
3	0.0	No	90	No	No
4	0.0	No	85	No	No
5	0.0	No	110	No	No
Mean	0.0	N/A	86	N/A	N/A

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**Comments**

On the basis of the test carried out, the sample submitted meets the flammability performance criteria for curtains and drapes outlined in IMO Resolution MSC 307(88) (2010 FTP Code) Part 7.