



Testing. Advising. Assuring.

# Test report No. 2015-1380

Issued 10th April 2015

**Applicant:** VESCOM BV  
St. Jozefstraat 20  
  
NL-5753 AB Deurne

**Date of order:** 1st April 2014  
**Date of sampling:** no official taking out of the specimen from a representative of the Exova Warringtonfire, Frankfurt  
**Date of arrival:** 4th April 2014  
**Date of test:** 8th April 2014  
**Test number** 2014-1427

**Order:**

Testing the ignitability according to BS 5852 i.s. crib 5

**Description / designation of the test object**

Sample designated as: „Balta“

result achieved with  
**additional FR finish**

**Description of the relevant test procedure**

BS 5852 (2006)

## 1. Description of the material

### 1.1 Details of the customer:

Sample designated as: „Balta“

Piece "Balta" (flame retardant)  
Fabric consists of 80% and 20% PA.

### .2 At the specimen preparation in Exova Warringtonfire, Frankfurt determined values:

Texture

Colour: grey

Thickness: 0,5mm

Square weight: 299 g/m<sup>2</sup>

Tested foam: FRM-U 80 kg/m<sup>3</sup>, Fa. Metzeler

Test rack: model seat

Testing after clima storing 23°C and 50% rel. humidity.

## 2. Test results

### 2.1 Test sheet according to BS 5852: 1990 section Determination of the flammability with crib 5

Measurements and Observations	Test No.		1	2
Burning / melting through the cover material		[min:s]	0:25	0:20
Inflammation of the cover material		[min:s]	1:45	1:40
Inflammation of the Filling		[min:s]	2:20	2:25
Flame spread		yes/no	yes	yes
Burn-Out of the Filling		yes/no	no	no
Smouldering through the filling material		yes/no	no	no
Flame reaches the frame		yes/no	no	no
Smouldering > 100 mm		yes/no	no	no
Smouldering > 1 hour		yes/no	no	no
Burning > 10 minutes		yes/no	no	no
Unsafe escalating combustion		yes/no	no	no
Dropout of the burned parts		yes/no	no	no
Flames go out after		[min:s]	5:35	4:55
Samples extinguished after		[min:s]	-	-
Smoke production		[min:s]	6:45	5:50
Destroyed (length/width/depth) area	seat	[mm]	100/160/65	100/140/50
	back	[mm]	360/155/55	340/90/40

\* = whole Thickness

Remarks: none

Test result: No ignition

**2.2 Appearance of the material before and after the tests:**



### 3. Classification:

result achieved with  
**additional FR finish**

According to BS 5852: 1990 sections 5 with ignition source crib 5

No ignition (no ignition).

### 4. Special comment

The test result is only valid for the rested materials and test setups, in the tested surface weights and colours and designs.

According to the experiences of the testing laboratory, are in between this surface weights and colours included.

In the composition with other materials (for example coatings, deposits) the burning behaviour could be influenced unfavourable that the above classification is not any longer valid.  
The burning behaviour in composition with other materials has to be tested separately.

Frankfurt 10<sup>th</sup> April 2015



H. Anders  
Verantwortlicher Prüfer



Dipl.-Ing. T. Zachäus  
Laboratory Supervisor

The results of the tests relate only to the behaviour of the test sample which is designated on the top.  
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This test report contains 5 pages.