

Jarven Health Care  
t.a.v. Göran Nordin  
Bromsvägen 3  
89160 Örnsköldsvik.  
Sweden

Hengelo (ov), 7 jul. 11

<b>Test specimen:</b>	<b>Specimen:</b>	<b>Colour:</b>	<b>Client reference number:</b>
	B.	Rouse	MAGMA MATRAS densiteit 35kg/m <sup>3</sup>

<b>Examination:</b>	<b>Testnumber:</b>	<b>Testname:</b>
	1.	FIRE TESTS ACCORDING TO BS EN 597-1:1995 ASSESSMENT OF THE IGNITABILITY OF MATTRESSES AND UPHOLSTERED BED BASES (Part 1: Ignition source: smouldering cigarette)
	2.	FIRE TESTS ACCORDING TO BS EN 597-2:1995 ASSESSMENT OF THE IGNITABILITY OF MATTRESSES AND UPHOLSTERED BED BASES (Part 2: Ignition source: match flame equivalent)
	3.	FIRE TESTS ACCORDING TO BS6807: 2006 (Methods of test for assessment of the ignitability of mattresses, upholstered divans and upholstered bed bases with flaming types of primary and secondary sources of ignition).

**Results** See following pages

Laboratory Quality Control

This report exists of 6 numbered pages and can only be reproduced entirely.  
The test results are referring to the received test specimens and can only be used when these specimens are representative.  
Textile Lab does not accept responsibility for any damage caused due to the test results.  
The examined specimens are claimable at the office of Textile Lab within three months after the above-mentioned date. No part of this report  
may be altered or published, without the prior written permission of the board of directors.  
**Check this report of 7 jul. 11 on authenticity. Page: 1 / 6**

**Testing • Research • Development • Training • Consultancy • Support**

**Test** : 1. Fire tests according to BS EN 597-1 : 1995  
**Assessment of the ignitability of mattresses and upholstered bed bases** (part 1: Ignition source: smouldering cigarette).

**Norm** : BS EN 597-1 : 1995

**Procedure**

The sample of Rouse Magma Matras, was tested after being conditioned for 16 hours in an atmosphere having a temperature of 23 ± 2°C and a relative humidity of 50 ± 5%, in accordance with the above standard using the specified cigarette placed in the positions stated in Para, 9.2.1.

**Criteria Of Ignition**

Progressive smouldering ignition.

- a) Any test specimen that displays escalating combustion behaviour so that it is unsafe to continue the test and active extinction is necessary;
- b) Any test specimen that smoulders until it is essentially consumed within the test duration;
- c) Any test specimen that smoulders to its full thickness, within the duration of the test;
- d) Any test specimen that smoulders for more than one hour;
- e) Any test specimen that, on final examination, shows evidence of charring other than discolouration more than 50 mm in any horizontal direction from the nearest point of the original position of the source.

**Results**

The following test results relate only to the ignitability of the combination of materials under the particular conditions of test, they are not intended as a means of assessing the full potential fire hazard of the item in use. They also only relate to the materials tested.

Ignitability Performance

**Top Surface = Non-ignition**

Results Test 1 Specimen	B.	
	Test 1	Test 2
<b>Smouldering criteria</b>		
Unsafe escalating combustion	No	No
Test assembly consumed	No	No
Smoulders through thickness	No	No
Smoulders more than 1 hour	No	No
More than 50mm from source	No	No
<b>Flaming criteria</b>		
Occurrence of flames	No	No

**Comments**

A non-ignition designation indicates that the sample met the performance requirements.



Laboratory Quality Control

This report exists of 6 numbered pages and can only be reproduced entirely.  
 The test results are referring to the received test specimens and can only be used when these specimens are representative.  
 Textile Lab does not accept responsibility for any damage caused due to the test results.  
 The examined specimens are claimable at the office of Textile Lab within three months after the above-mentioned date. No part of this report may be altered or published, without the prior written permission of the board of directors.  
**Check this report of 7 jul. 11 on authenticity. Page: 2 / 6**

**Test** : 2. Fire tests according to BS EN 597-1 : 1995  
**Assessment of the ignitability of mattresses and upholstered bed bases** (part 2: Ignition source: match flame equivalent).

**Norm** : BS EN 597-2 : 1995

### Procedure

The sample of Rouse Magma Matras, was tested after being conditioned for 16 hours in an atmosphere having a temperature of  $23 \pm 2^\circ\text{C}$  and a relative humidity of  $50 \pm 5\%$  in accordance with the above standard using the specified flame placed in the positions stated in Para, 9.2.1.

### Criteria Of Ignition

Progressive smouldering & flaming ignition.

- a) Any test specimen that displays escalating combustion behaviour so that it is unsafe to continue the test and active extinction is necessary;
- b) Any test specimen that smoulders until it is essentially consumed within the test duration;
- c) Any test specimen that smoulders to its full thickness, within the duration of the test;
- d) Any test specimen that smoulders for more than one hour;
- e) Any test specimen that, on final examination, shows evidence of charring other than discolouration more than 50 mm in any horizontal direction from the nearest point of the original position of the source.
- f) Any test specimen that displays escalating combustion behaviour so that it is unsafe to continue the test and active extinction is necessary;
- g) Any test specimen that burns until it is essentially consumed within the test duration;
- h) Any test specimen on which any flame front reaches its extremities or passes through its full thickness within the duration of the test.
- i) Any flaming that continues to burn more than 120 s after removal of the burner tube.

### Results

The following test results relate only to the ignitability of the combination of materials under the particular conditions of test, they are not intended as a means of assessing the full potential fire hazard of the item in use. They also only relate to the materials tested. They do not guarantee to represent the performance of production materials.

Ignitability Performance

**Top Surface = Non-ignition**

Laboratory Quality Control

This report exists of 6 numbered pages and can only be reproduced entirely.  
The test results are referring to the received test specimens and can only be used when these specimens are representative.  
Textile Lab does not accept responsibility for any damage caused due to the test results.  
The examined specimens are claimable at the office of Textile Lab within three months after the above-mentioned date. No part of this report may be altered or published, without the prior written permission of the board of directors.  
**Check this report of 7 jul. 11 on authenticity. Page: 3 / 6**

**Testing • Research • Development • Training • Consultancy • Support**

Results Test 2 Specimen	B.	
	Test 1	Test 2
Unsafe escalating combustion	No	No
Test assembly consumed	No	No
Smoulders through thickness	No	No
Smoulders more than 1 hour	No	No
More than 50mm from source	No	No
Test assembly consumed	No	No
Burning through thickness or to the extremities	No	No
Flaming for more than 120s	No	No

**Comments**

A non-ignition designation indicates that the sample met the performance requirements.



Laboratory Quality Control

This report exists of 6 numbered pages and can only be reproduced entirely.  
 The test results are referring to the received test specimens and can only be used when these specimens are representative.  
 Textile Lab does not accept responsibility for any damage caused due to the test results.  
 The examined specimens are claimable at the office of Textile Lab within three months after the above-mentioned date. No part of this report may be altered or published, without the prior written permission of the board of directors.  
**Check this report of 7 jul. 11 on authenticity. Page: 4 / 6**

**Testing • Research • Development • Training • Consultancy • Support**

**Test** : 3. FIRE TESTS ACCORDING TO BS 6807: 2006 (methods of test for assessment of the ignitability of mattresses, upholstered divans and upholstered bed bases with flaming types of primary and secondary sources of ignition).

**Norm** : BS 6807 : 2006

#### Procedure

Specimens of Rouse Magma Matras, were tested in the 'as received' condition in accordance with clause 9 of the above standard using ignition source 7 in the positions specified, after being conditioned for 72 hours in indoor ambient conditions, and then 16 hours in an atmosphere having a temperature of  $23\pm 2^{\circ}\text{C}$  and a relative humidity of  $50\pm 5\%$ .

#### Progressive smouldering ignition

- a) Any test specimen that displays escalating smouldering combustion behaviour so that it is unsafe to continue the test and forcible extinction is required;
- b) Any test specimen that smoulders until it is essentially consumed or that smoulders to the extremities of the specimen, i.e. to either side or to the full thickness of the specimen, within the duration of the test;
- c) Any test specimen that produces externally detectable amounts of smoke, heat or glowing 60 after ignition of the crib;
- d) For top ignition only: any test specimen that on final examination shows evidence of smouldering by means of discoloured char that extends more than 100 mm in any horizontal direction from the nearest part of the original position of the source.

#### Flaming ignition

- a) Any test specimen that displays escalating flaming combustion behaviour so that it is unsafe to continue the test and forcible extinction is required;
- b) Any test specimen that burns until it is essentially consumed within the test duration;
- c) Any test specimen on which any flame front reaches the extremities of the specimen other than the top or passes through the full thickness of the specimen within the duration of the test.
- d) Any test specimen that continues to flame for more than 13 minutes after ignition of the crib;
- e) Any test specimen that from which debris causes an isolated floor fire not meeting the criteria of item d).

#### Results

The following test results relate only to the ignitability of the combination of materials under the particular conditions of test; they are not intended as a means of assessing the full potential fire hazard of this item in use. They also only relate to the materials tested.

Laboratory Quality Control

This report exists of 6 numbered pages and can only be reproduced entirely.  
The test results are referring to the received test specimens and can only be used when these specimens are representative.  
Textile Lab does not accept responsibility for any damage caused due to the test results.  
The examined specimens are claimable at the office of Textile Lab within three months after the above-mentioned date. No part of this report may be altered or published, without the prior written permission of the board of directors.  
**Check this report of 7 jul. 11 on authenticity. Page: 5 / 6**

**Testing • Research • Development • Training • Consultancy • Support**

Results Test 3 Specimen	B.		
Ignition source	Position	Time of extinction(s)	Ignition/Non-ignition
5	On top	380	Non-ignition
5	Below	247	Non-ignition
5	On top	345	Non-ignition
5	below	268	Non-ignition

**Comments**

A non-ignition designation indicates that the sample met the performance requirements.

Meets the requirements of BS 7177: 2008 (Specification for resistance to ignition of mattresses, mattress pads, divans and bed bases) Medium Hazard Category, when tested in accordance with: BS EN 597 – 1:1995, BS EN 597 – 2:1995 & BS 6807: 2006 (Clause 9).

Laboratory Quality Control

This report exists of 6 numbered pages and can only be reproduced entirely.  
The test results are referring to the received test specimens and can only be used when these specimens are representative.  
Textile Lab does not accept responsibility for any damage caused due to the test results.  
The examined specimens are claimable at the office of Textile Lab within three months after the above-mentioned date. No part of this report may be altered or published, without the prior written permission of the board of directors.  
**Check this report of 7 jul. 11 on authenticity. Page: 6 / 6**

**Testing • Research • Development • Training • Consultancy • Support**