

Determination of the fire safety
according to FAR/JAR Part 25.853
Horizontal flammability test

Frictape Helideck Landing Net MK2

| Requested by: A-Laskuvarjo Oy

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Order Email 26 October 2007 / Jaakko Uotila

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Assignment **Determination of fire safety of a product**

Product The customer gave following information about the product:

Name: **Frictape Helideck Landing Net MK2**
Materials: 65 % polyester and 35 % jute
Manufacturer: A-Laskuvarjo Oy

Sample Date of delivery: 25 January 2008
Type of sample: Woven band, two layers
Thickness of product: about 4...5 mm
Width of the product: about 38 mm
Mass of the product: about 83 g/m

Sample was chosen by the customer.

A photograph of the tested material is presented in Appendix 1.

Date of test 31 January 2008

Test method *FAR/JAR Part 25.853 Horizontal flammability test*
Test to determine the horizontal burning rate of materials.
- Bunsen burner, tube diameter 10 mm
- Matheson Gas B, flame height 40 mm
- Flame application time 15 seconds

The test results relate only to the sample tested.

Requirements

Requirements according to FAR/JAR Part 25.853

- Class b-2: maximum permitted rate of flame spread: 62.5 mm/min
- Class b-3: maximum permitted rate of flame spread: 100 mm/min

Test results

The test results are shown in Appendix 2.

Note

The test results relate to the behaviour of the test specimens of a product under the particular conditions of the test; they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use.

Summary

On the basis of the test results it can be concluded that the tested material **FRICTAPE Helideck Landing Net MK2** passes the requirements of Class b-2 according to FAR/JAR Part 25.853

Espoo, 11 February 2008



Tiia Ryyänen
Senior Research Scientist



Jussi Rautiainen
Building Engineer

APPENDICES

Appendix 1, a photograph of the material
Appendix 2, results

DISTRIBUTION

Customer
VTT/Register Office

Original (2)
Original

The test results relate only to the sample tested.

SAMPLE**FRICTAPE Helideck Landing Net MK2**

TEST RESULTS

Test method: FAR/JAR Part 25.853 Horizontal flammability test

Product: Frictape Helideck Landing Net MK2

Test date: 31 January 2008

Test conditions: 21 °C and 18 %RH

Sample	The burning time along the measuring range, s	The burnt distance within the measuring range, mm	The burning rate, mm/min
1	0	0	0
2	504	254	30
3	488	254	31