



# Test Report

Report No.: A 841488-1

Page 1 of 2  
Initials Chf/leln  
Order no.: 841488  
No. of appendix: 1

**Assignor:** Kvadrat A/S  
Lundbergsvej 10  
8400 Ebeltøft  
Attn.: Lone Henriksen

**Subject:** Combination of upholstered material tested:  
**Cover:** Sample of upholstery fabric, designated: Still  
Fibre composition: 100% Trevira CS. (as per info from the assigner).  
Approximate mass per area unit: 463 g/m<sup>2</sup>.

**Filling:** Flame-retardant polyurethane foam designated, CME 38165.  
Approximate density: 35 kg/m<sup>3</sup>. (The foam is delivered by Danish Technological Institute).

**Sampling:** The test material was sampled by the client and received at the Danish Technological Institute 14-11-2018.

**Method:** BS 5852:2006 – Method of test for: Assessment of the ignitability of upholstered seating by smouldering and flaming ignition sources. Method of test for the ignitability of upholstery composites.  
Ignition source: Crib 5. Weight 17±1 g.

**Period:** The testing was completed 16-11-2018.

**Result:** Upholstery composite under test **meets (PASSES)**  
the requirements specified in BS 5852:2006, source 5, clause 4.

Details of the test are given on page 2 of this report.

**Storage:** The test material will be destroyed after 3 months, unless otherwise agreed.

**Terms:** Accredited testing was carried out in compliance with international requirements (EN/ISO/IEC 17025:2005) and in compliance with Danish Technological Institute's General Terms and Conditions regarding Commissioned Work accepted by Danish Technological Institute. The test results apply to the tested products only. This report may be quoted in extract only if the laboratory has granted its written consent.

**Date/place:** 19-11-2018, Danish Technological Institute, Textile, Taastrup

**Signature:** Test responsible

Co-signatory



Report no.: A841488-1  
Page: 2 of 2  
Initials: Chf/leln

**Results,  
continued:**

The 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 materials in use.

**Test result: Non-ignition > PASS**

	Test 1	Test 2
Duration of flames in min.	4:19 minutes	5:01 minutes
Smouldering ceased within 60 minutes	Yes	Yes
<b>Damage in the horizontal (seat) component:</b>		
- length in mm	60	50
- width in mm	48	32
- thickness in mm	60	62
<b>Damage in the vertical (back) component:</b>		
- width in mm	34	31
- thickness in mm	35	43

**Comments:**

Before testing the sample was **not** subjected to the water soaking and drying procedure described in BS 5852:2006, Annex E.

**Requirements:**

Criteria given in BS 5852:1982

Progressive smouldering failure, clause 4.1.a, c, e and f are regarding crib 5

- a. Escalating combustion behaviour so that it is unsafe to continue the test and requires forcible extinction.
- c. Smouldering until the specimen is essentially consumed or to the extremities of the specimen that is either the sides or to its full thickness, within the test duration (60 minutes).
- e. Production of externally detectable amounts of smoke, heat or glowing 60 minutes after ignition of the crib.
- f. On final examination: Evidence of charring other than discolouration, more than 100 mm in any direction, apart from upwards, from the nearest part of the original position of the source.

Flaming failure, clause 4.2.a, b, c, e and g are regarding crib 5

- a. Escalating combustion flaming behaviour so that it is unsafe to continue the test and requires forcible extinction.
- b. Burning until the specimen is essentially consumed within the test duration
- c. Flame front reaches either the sides or passes through the full thickness of the specimen within the duration of the test.
- e. Flaming for more than 10 minutes after ignition of the crib.
- g. Flaming debris causing an isolated floor fire that continues to flame longer than 10 minutes.

Report no.: A841488-1  
Appendix: 1  
Page: 1 of 1  
Initials: Chf/leln

