

Handled by, department
Ida Larsson
Fire Technology
+46 33 16 53 67, ida.larsson@sp.se

Elmo Leather AB
612 81 SVENLJUNGA

Ignitability of upholstered furniture according to BS 5852:2006 (1 appendix)

Product

Upholstered furniture combination consisting of:

Black cover material called "Elmonordic". Semi-Aniline leather with nominal thickness 1.3 - 1.5 mm. Lightly pigmented finish, chrome tanned leather from Scandinavian cattle hide.

The cover material was tested with filling material consisting of CMHR-foam. Nominal density 35 kg/m³.

Manufacturer

Cover material: Elmo Leather AB, Svenljunga, Sweden.

CMHR foam: Recticel AB, Gislaved, Sweden.

Purpose of test

Basis for technical fire classification.

Sampling

The cover material was delivered by the manufacturer. It is not known to SP Fire Technology if the product received is representative of the mean production characteristics.

The cover material was received on November 9, 2006 at SP Fire Technology.

SP Swedish National Testing and Research Institute

Postal address
SP
Box 857
SE-501 15 Borås

Office location
Västeråsen
Brinellgatan 4
Borås

Phone / Fax / E-mail
+46 33 16 50 00
+46 33 13 55 02
info@sp.se

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Test results

The upholstery combination was tested with wooden crib 5 (source 5) as ignition source.

The ignition source was applied in a position along the junction between seat and back. Special care was taken to note any progressive smouldering and/or flaming combustion in the combination.

The test results are given in appendix 1.

The test results relate only to the ignitability of the combination of upholstery composites (BS 5852:2006, Clause 11) under the particular conditions of the test; they are not intended as a means of assessing the full potential fire hazard of the materials or products in use.

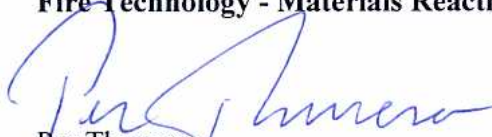
Criteria

Section 4 in BS 5852:2006 describing "Criteria of ignition" with regards to "Progressive smouldering ignition" (4.1) and "Flaming ignition" (4.2).

Assessment

The tested furniture upholstery combination, consisting of cover material called "Elmonordic", together with CMHR foam with nominal density 35 kg/m^3 , meets the technical fire requirements according to BS 5852 and would be designated "BS 5852:2006, Clause 11, NI/5".

SP Swedish National Testing and Research Institute Fire Technology - Materials Reaction to Fire



Per Thureson
Technical Manager



Ida Larsson
Technical Officer

Appendix

Test results