

Firm: Pelma SpA  
Via Mazzini 500  
25020 Bassano Brescia (BS)  
ITALY

For the attention of: Mr L Fiore

# Technical Services Report

Subject: IGNITABILITY TEST  
Our ref: FUR0146587/JMS/JPR  
Your ref: 35 CMHR-M  
Date sample received: 02/01/07  
Date: 9th January 2007

## Conditions of Issue:

**This report may be forwarded to other parties provided that it is not changed in any way. It must not be published, for example by including it in advertisements, without the prior, written permission of SATRA.**

Results given in this report refer only to the samples submitted for analysis and tested by SATRA. Comments are for guidance only.

NOTE TO THE READER OF THIS REPORT: If you suspect that this report is not valid or if you suspect it has been altered in any way, then this can be verified by contacting SATRA and quoting the SATRA reference number of the report.

Tests marked † fall outside the UKAS Accreditation Schedule for SATRA. All interpretations of results of such tests and the comments based upon them are outside the scope of UKAS accreditation and are based on current SATRA knowledge.

**A satisfactory test report in no way implies that the product tested is approved by SATRA and no warranty is given as to the performance of the product tested. SATRA shall not be liable for any subsequent loss or damage incurred by the client as a result of information supplied in the report.**

## TERMS AND CONDITIONS OF BUSINESS

1. **GENERAL**  
Work done or services undertaken are subject to the terms and conditions detailed below and all other conditions, warranties and representations, expressed or implied are hereby excluded.
2. **PRICES**  
Prices are based on current material and production costs, exchange rates, duty and freight and are subject to change without notice.
3. **DELIVERY ESTIMATES**  
Delivery estimates are made in good faith and date from receipt of a written order and full information to enable us to proceed. While we make every effort to fulfil them, such estimates are subject to unforeseen events and if not maintained, cannot give rise to any claim. Offers "ex stock" are subject to prior sale.
4. **CANCELLATION AND RETURNS**  
Cancellation of orders for goods, services, training or consultancy are only acceptable by prior agreement of SATRA or its subsidiaries (hereafter called The Centre) and a charge will normally be made.
5. **CLAIMS**  
Claims for errors, shortages etc should be notified within 10 days of date of receipt. In the event of goods damaged in transit, packing materials should be retained for examination, otherwise no liability can be accepted.
6. **PAYMENT TERMS**  
Payment terms are net 21 days from date of invoice. Failure to comply with the terms of payment may result in delayed delivery of goods and services and a review of your credit account. Should the customer become subject to an administration order, or becomes bankrupt or goes into liquidation, The Centre has a right to cancel any contract and discontinue any work.
7. **RETENTION OF TITLE**  
All goods remain the property of The Centre until paid in full. Under no circumstances will a customer's purchase order override our Retention of Title clause. In the case of software, the ownership of the software remains with The Centre. Payment of invoices in full will entitle the customer to use the software under licence until (a) they cease to be a member of The Centre or (b) they cease trading. In both instances, the licence shall then revert to The Centre.
8. **GUARANTEE**  
All goods manufactured by us are guaranteed both as regards material and workmanship. Any part returned carriage paid, within twelve months from date of supply and found defective, will be repaired or replaced at our option free of charge. We admit no liability for loss, damage or delay consequent on any defect in any goods supplied by us. Any goods supplied but not made by The Centre carry only the maker's guarantee.
9. **RESPONSIBILITY**  
Every effort is made to ensure accuracy in description, drawings and other information in correspondence, catalogues, etc but no warranty is given in this respect and we shall not be liable for any error therein. The Centre carries out all tests and/or advises only on the basis that the same are carried out, made or given without any responsibility whether for negligence or otherwise. The Centre and its servants or agents will not be liable for any damage or loss direct or indirect of whatsoever kind, whether or not the same results directly or indirectly from negligence on the part of The Centre or its servants or agents.
10. **CONFIDENTIALITY**  
Unless specifically excluded in the terms of an individual contract between The Centre and its client, the following shall apply to all reports, advice, drawings, photographs, specifications or data:
  - i. The above shall not be disclosed to third parties or used in litigation without the consent of The Centre.
  - ii. Where The Centre has given consent to disclosure, the client shall draw the attention of the third party to these terms of business and the basis on which The Centre undertakes test, reporting and advising. The client shall indemnify The Centre for any failure to do so.
  - iii. The above items are submitted to the client as confidential documents. Confidentiality shall continue to apply after completion of the business, but shall cease to apply to information or knowledge which may come into the public domain.
11. **CONSTRUCTION AND ARBITRATION**  
The laws of England shall govern all contracts and the parties submit to exclusive jurisdiction of the courts of England, unless otherwise agreed.

**Ignitability test for polyurethane foam in slab form according to Schedule 1 Part I of the Furniture and Furnishings (Fire) (Safety) Regulations 1988, amended 1989 and 1993, (SI 1988/No.1324, SI 1989/No.2358, SI 1993/No.207)**

## Sample Identification

A urethane foam identified by the client as:

35 CMHR-M

The tests were carried out using a 220g/m<sup>2</sup> flame retardant polyester fabric which deviates in part from the specification stated in Schedule 1 Part I of the Regulations. Although this fabric does not fully meet the specification laid down in the Regulations, this was regarded as having no significant effect on the test.

## Conditioning

5 days at 20 ± 5°C and 50 ± 20%rh.

## Procedure

The test, based on BS5852: Part 2: 1982, was carried out as described in Schedule 1 Part I of the Regulations using ignition source 5. A separate test assembly was used for each application.

## Results and observations

*The following test results relate only to the ignitability of the combination of upholstery composites under the particular conditions of test; they are not intended as a means of assessing the fully potential fire hazard of the materials in use.*

First application: The flames self-extinguished after 4 minutes 45 seconds and smouldering ceased after 9 minutes 46 seconds. The flames penetrated the full thickness of the foam and the mass loss due to dripping was 6g.

Mass loss: 47g

Second application: The flames self-extinguished after 3 minutes 42 seconds and smouldering ceased after 7 minutes 51 seconds. The flames penetrated the full thickness of the foam and the mass loss due to dripping was 0g.

Mass loss: 31g

**On the basis of the tests carried out as described, it is the opinion of this laboratory that this sample of foam would MEET the requirements of the test, based on BS5852: Part 2: 1982, as specified in Schedule 1 Part I of the Furniture and Furnishings (Fire) (Safety) Regulations 1988, (amended 1989 and 1993).**