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California Technical Bulletin 133 Flammability Test for Seating Furniture on "Dining Chair for Rosa Mexicano Boston"

A Report To:	The Pegasus Group 333 West 39th Street #604 New York, NY 10018 USA
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Submitted By:	Fire Testing
Report No.	12-002-238 6 pages
Date:	March 28, 2012

ACCREDITATION To ISO/IEC 17025 for a defined Scope of Testing by the International Accreditation Service

SPECIFICATIONS OF ORDER

Conduct California Technical Bulletin 133 "Flammability Test Procedure for Seating Furniture for Use in Public Occupancies", as per your Purchase Order Rosa Mexicano-Boston and our Quotation No. 12-002-03075 accepted March 16, 2012.

IDENTIFICATION

Chair seating system identified as: "Dining Chair for Rosa Mexicano Boston"

(Exova sample identification number 12-002-S0238)

SUMMARY OF TEST PROCEDURE

The test furniture is placed on a load cell in the corner of a specified room (12 ft x 10 ft x 8 ft high) and weighed. A square gas burner, fuelled by propane at a rate of 13 litres per minute and located 1 inch above the seat cushion and 2 inches from the seat back, is ignited and allowed to burn for 80 seconds.

During the test period, heat release, levels of carbon monoxide, smoke opacity at the 4 foot level, weight loss and temperatures at the ceiling and at the 4 foot level are monitored at 5 second intervals.

Seating furniture fails to meet the requirements of this test procedure if any of the following criteria are exceeded in a room test using oxygen consumption calorimetry:

- A maximum rate of heat release of 80 kW or greater.
- A total heat release of 25 MJ or greater in the first 10 minutes of the test.
- Greater than 75% opacity at the 4-foot smoke opacity monitor.
- Carbon monoxide (CO) concentration in the room of 1000 ppm or greater for 5 minutes.

TEST SAMPLE



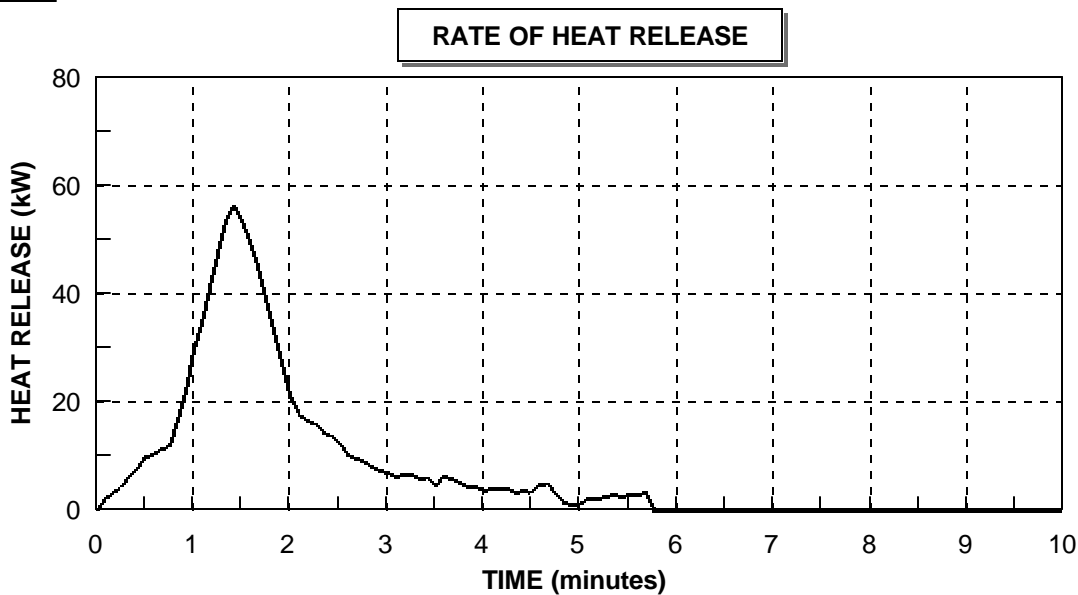
"Dining Chair for Rosa Mexicano Boston"

Test Damage

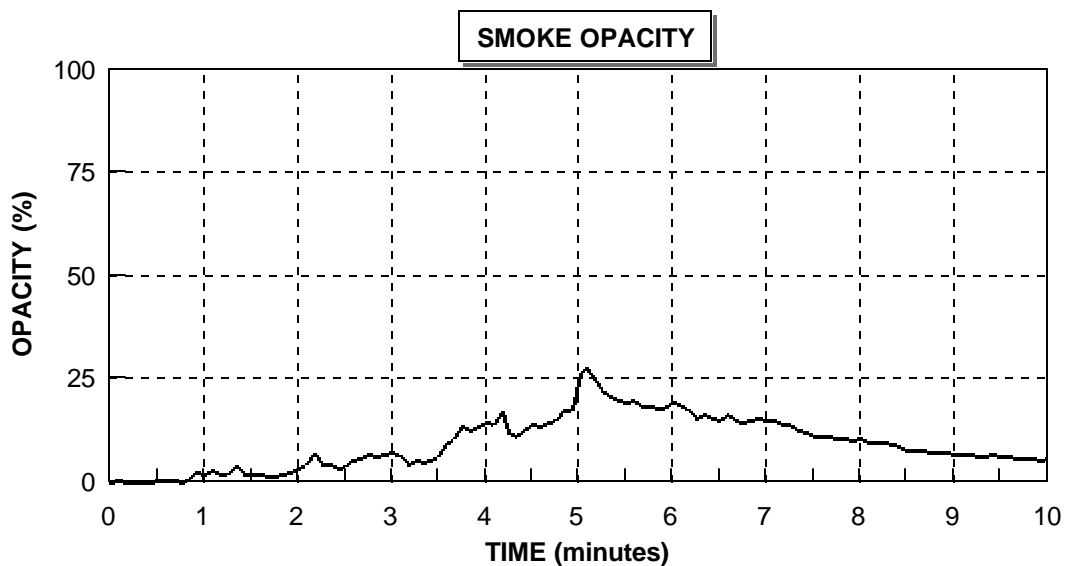
SUPPLIED DETAILS

- Project: Rosa Mexicano Boston
- Covering: TB-117 Vinyl with Fire Barrier Fabric
- Frame: Solid Maple Wood
- Foam: Fire Rated Foam

TEST RESULTS

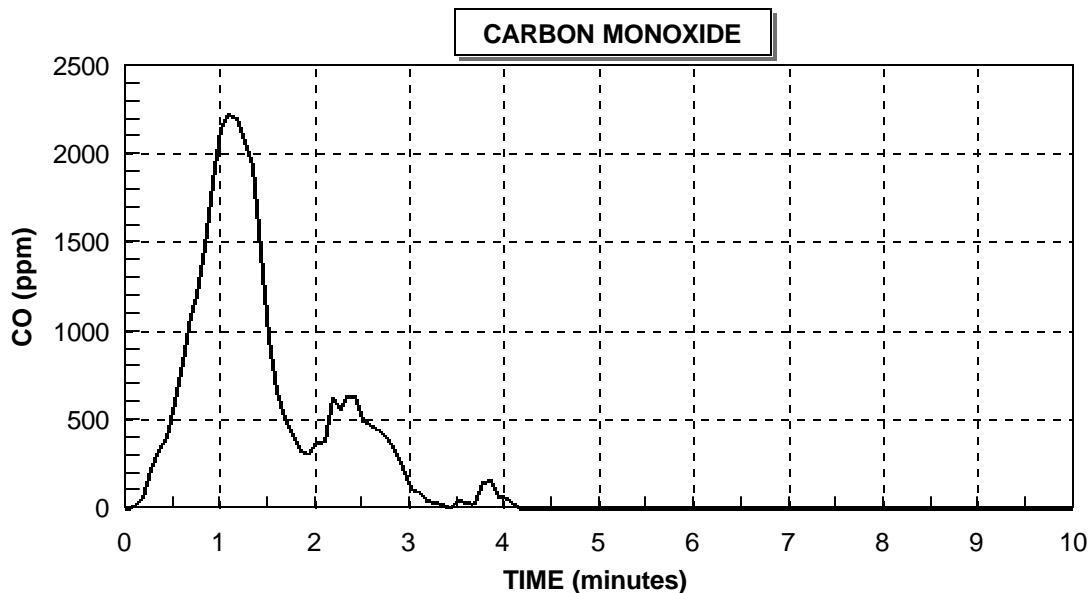


Maximum Heat Release Rate (kW)	56.5
Specified Maximum (kW)	80.0
Total Heat Release at 10 minutes (MJ)	4.5
Specified 10 minute Maximum (MJ)	25.0

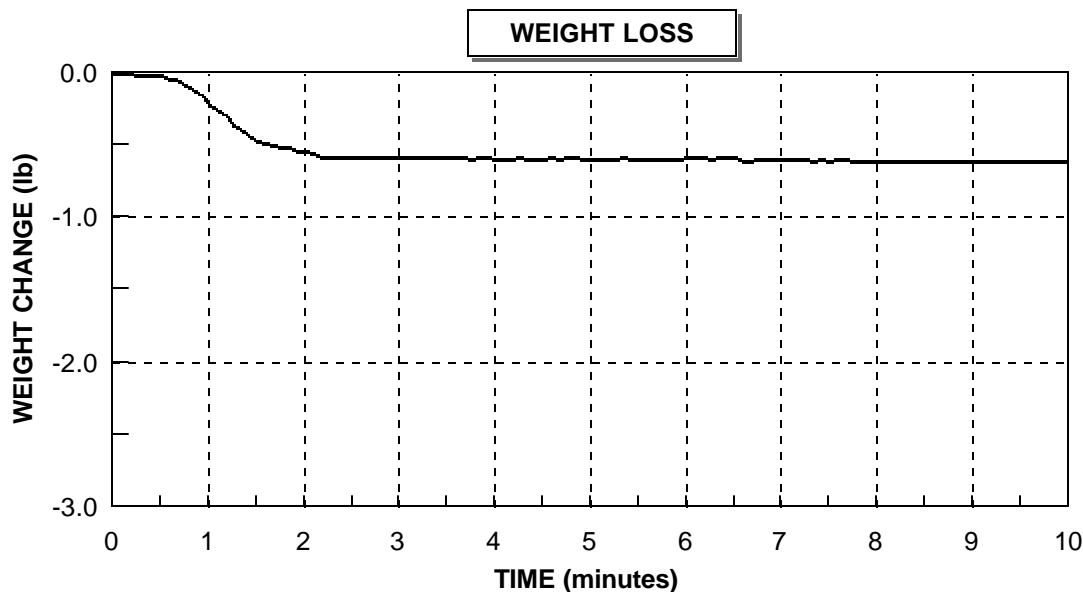


Maximum 4 ft Smoke Opacity (%)	28
Specified Maximum (%)	75

TEST RESULTS

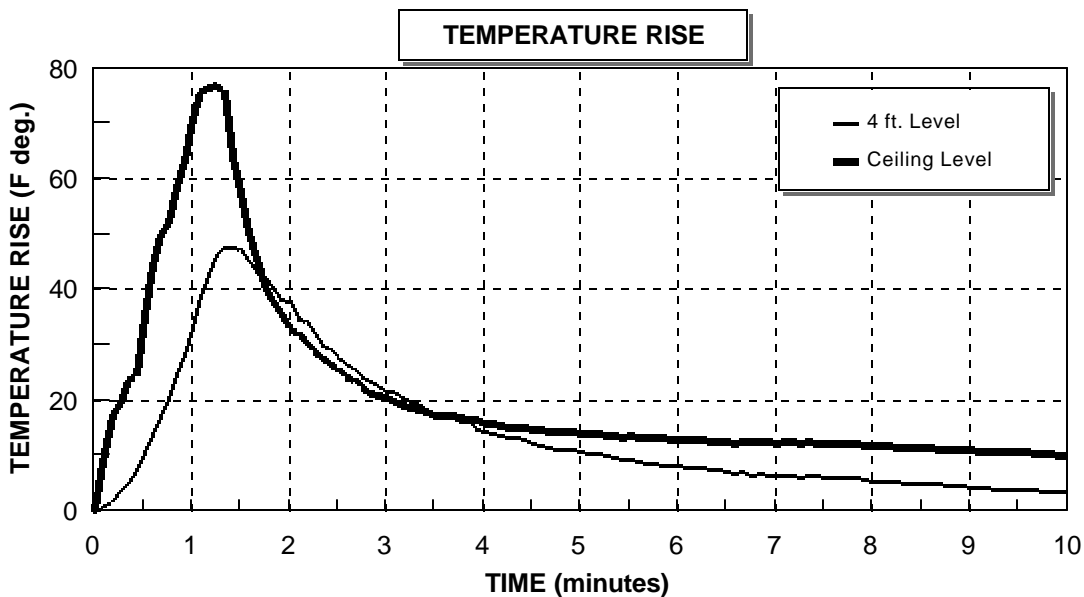


Maximum CO Concentration (ppm)	2223
Total time 1000 ppm exceeded (s)	45
Specified Maximum Time (s)	300



Initial Weight (lb)	25.24
Weight at 10 minutes (lb)	24.63
10 minute Weight Loss (lb)	0.61

TEST RESULTS



	4 foot level		Ceiling level	
Initial Temperature (°C) (°F)	19.5	67	21.3	70
Peak Temperature (°C) (°F)	46.1	115	64.0	147
Temperature Increase (F deg.)		48		77

Observations

Flaming activity continued after extinguishment of the test flame at 80 seconds. Self-extinguishment occurred at approximately 4.3 and some smoking behavior continued until approximately 4.5 minutes. The test was terminated at 10 minutes.

CONCLUSIONS

The seating system identified in this report meets the requirements of California Technical Bulletin 133.

Note: This is an electronic copy of the report. Signatures are on file with the original report.

Robert A. Carleton,
Fire Testing.

Ian Smith,
Fire Testing.

Note: This report and service are covered under Exova Canada Inc. Standard Terms and Conditions of Contract which may be found on the Exova website (www.exova.com), or by calling 1-866-263-9268.