



# COMMERCIAL TESTING COMPANY

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Serena/  
Soliloquy  
+  
Tiara

Standard Method of Test for  
Surface Burning Characteristics of Building Materials

ASTM E 84-01

TNW - 15' Touch of Gold SERENA - Soliloquy - TIARA

Report Number 02-01151

Test Number 3296-8581

January 11, 2002

~~XXXXXXXXXX~~  
~~XXXXXXXXXX~~

The ASTM E 84 furnace operated by Commercial Testing Company is recognized by the United States Department of Commerce, National Institute of Standards and Technology (NIST), through the National Voluntary Laboratory Accreditation Program (NVLAP) for compliance with Title 15 of the Code of Federal Regulations, Part 285. These criteria encompass the requirements of ISO/IEC Guide 25 and the relevant requirements of ISO 9002 (ANSI/ASQC Q92-1987).

Commercial Testing Company

*Jonathan Jackson*

(Authorized Signature)

This report is provided for the exclusive use of the client to whom it is addressed. It may be used in its entirety to gain product acceptance from duly constituted authorities. The test results presented in this report apply only to the samples tested and are not necessarily indicative of apparent identical or similar materials. Sample selection and identification were provided by the client. A sampling plan, if described in the referenced test procedure, was not necessarily followed. This report, or the name of Commercial Testing Company, shall not be used under any circumstance in advertising to the general public.

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method of sample preparation is described in Appendix X1 of the E 84 standard, Guide to Mounting Methods, Section X1.9.3.

### TEST RESULTS

The test results, calculated on the basis of observed flame propagation and the integrated area under the recorded smoke density curve, are presented below. The Flame Spread Index obtained in E 84 is rounded to the nearest number divisible by five. Smoke Developed Indices are rounded to the nearest number divisible by five unless the Index is greater than 200. In that case, the Smoke Developed Index is rounded to the nearest 50 points. Flame spread and smoke development data are presented graphically in the computer print-out at the end of this report.

Test Specimen	Flame Spread Index	Smoke Developed Index
Reinforced Cement Board	0	0
Red Oak Flooring	100	100
TNW - 15 Touch of Gold	25	0

### OBSERVATIONS

Specimen ignition over the burners occurred at 0.55 minute. Surface flame spread was observed to a maximum distance of 4.85 feet beyond the zero point at 1.27 minutes. The maximum temperature recorded during the test was 5/3°F.

### CLASSIFICATION

The Flame Spread Index and Smoke Developed Index values obtained by the ASTM E 84 test are frequently used by code officials and regulatory agencies in the acceptance of interior finish materials for various applications. The most widely accepted classification system is described in the National Fire Protection Association publication NFPA 101 *Life Safety Code*, where:

Class A	0 - 25 Flame Spread Index	0 - 450 Smoke Developed Index
Class B	26 - 75 Flame Spread Index	0 - 450 Smoke Developed Index
Class C	76 - 200 Flame Spread Index	0 - 450 Smoke Developed Index

Class A, B, and C correspond to Type I, II, and III respectively in other codes such as SBCCI, BOCA, and ICBO. They do not preclude a material being otherwise classified by the authority of jurisdiction.

# ASTM E 84 TEST DATA

Client: ~~XXXXXXXXXX~~

Test Number: 2296-8581

Material Tested: TNW-15 Touch of Gold

Date: January 11, 2002

## Test Results:

Time to Ignition = 00.55 minutes  
Maximum Flamespread Distance = 04.85 feet  
Time to Maximum Spread = 01.27 minutes  
  
Flame Spread Index = 25  
Smoke Developed Index = 0

