



COMMERCIAL TESTING COMPANY

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Standard Method of Test for
Surface Burning Characteristics of Building Materials

ASTM E 84-09a

Report Number 09-12132

Test Number 4117-8604
December 15, 2009

Commercial Testing Company

(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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Test Specimen	Flame Spread Index	Smoke Developed Index
Fiber-Reinforced Cement Board, Grade II	0	0
Red Oak Flooring	100	100
08085/016 Color Index 0483	10	40

OBSERVATIONS

Specimen ignition over the burners occurred at 0.05 minute. Surface flame spread was observed to a maximum distance of 1.80 feet beyond the zero point at 0.32 minute. The maximum temperature recorded during the test was 525°F.

CLASSIFICATION

The Flame Spread Index and Smoke Developed Index values obtained by ASTM E 84 tests 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. They do not preclude a material being otherwise classified by the authority of jurisdiction.