



TECHINCAL DATA SHEET

Cape Backdraft Damper

Fabric

Testing was conducted in accordance with the ASTM International fire test response standard E 84-07, *Surface Burning Characteristic Of Building Materials*, sometimes referred to as the Steiner tunnel test. This test is applicable to exposed surfaces such as walls and ceilings. The ASTM E84 test method is technically equivalent to NFPA No. 255 and UL No. 723.

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.

Test Results

<u>Test specimen</u>	<u>Flame Spread Index</u>	<u>Smoke Density Developed</u>
Fiber-Reinforced Cement Board Grade II	0	0
Red Oak Flooring	100	100
TAMARA110207A	15	25

Observations

Specimen ignition over the burners occurred at 0.03 minutes. Surface flame spread was observed to a maximum distance of 2.77 feet beyond the zero point at 0.20 minutes. The maximum temperature recorded during the test was 517°F.

Classification

The Flame Spread Index and Smoke Development 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. They do not preclude a material being otherwise classified by the authority of jurisdiction.

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