



ELECTRONIC DRAFT COPY

ASTM E 84 Surface Burning Characteristics of "Scafnet-Original-Green-SCAF1M50"

A Report To:

Superchute

8810 Elmslie Road

Lasalle, Québec

H8R 1V6

Phone:

(514) 365-6121

Fax:

(514) 365-8987

Attention:

Ben Anson

Submitted by:

Fire Testing

Report No.

08-002-378

4 Pages

Date:

May 28, 2008

Bodycote Testing Group

ASTM E 84 Surface Burning Characteristics of "Scafnet-Original-Green-SCAF1M50"

Page 2 of 4

For: Superchute Report No. 08-002-378

ACCREDITATION Standards Council of Canada, Registration #1.

REGISTRATION ISO 9001:2000, registered by QMI, Registration #001109.

SPECIFICATIONS OF ORDER

Determine the Flame Spread and Smoke Developed Indices based upon a single test conducted in accordance with ASTM E 84-08 as per our Quotation No. 08-002-4682 dated April 28, 2008.

SAMPLE IDENTIFICATION (Bodycote sample identification number 08-002-S0378)

Scaffold netting material submitted for testing was identified as: "Scafnet-Original-Green-SCAF1M50, Made in Canada".

TEST PROCEDURE

The method, designated as ASTM E 84-08, "Standard Method of Test for Surface Burning Characteristics of Building Materials", is designed to determine the relative surface burning characteristics of materials under specific test conditions. Results are expressed in terms of flame spread index (FSI) and smoke developed (SD).

Although the procedure is applicable to materials, products and assemblies used in building construction for development of comparative surface spread of flame data, the test results may not reflect the relative surface burning characteristics of tested materials under all building fire conditions.

SAMPLE PREPARATION

The sample, which consisted of one continous section, approximately 24 feet in length by 21.5 inches in width, was conditioned at a temperature of $73 \pm 3^{\circ}F$ and a relative humidity of $50 \pm 5\%$ prior to testing. During testing the sample was supported over its entire length by 2" hexagonal wire mesh and was further supported by $\frac{1}{4}$ " steel rods spaced nominally at two-foot intervals.

The testing was performed on: 2008-05-12

SUMMARY OF TEST PROCEDURE

The tunnel is preheated to 150°F, as measured by the floor-embedded thermocouple located 23.25 feet downstream of the burner ports, and allowed to cool to 105°F, as measured by the floor-embedded thermocouple located 13 feet from the burners. At this time the tunnel lid is raised and the test sample is placed along the ledges of the tunnel so as to form a continuous ceiling 24 feet long, 12 inches above the floor. The lid is then lowered into place.

Bodycote Testing Group

ASTM E 84 Surface Burning Characteristics of "Scafnet-Original-Green-SCAF1M50"

Page 3 of 4

For: Superchute Report No. 08-002-378

SUMMARY OF TEST PROCEDURE (continued)

Upon ignition of the gas burners, the flame spread distance is observed and recorded every 15 seconds. Flame spread distance versus time is plotted ignoring any flame front recessions. If the area under the curve (A) is less than or equal to 97.5 min·ft, FSI = 0.515·A; if greater, FSI = 4900/(195-A). Smoke developed is determined by comparing the area under the obscuration curve for the test sample to that of inorganic reinforced cement board and red oak, arbitrarily established as 0 and 100, respectively.

TEST RESULTS

SAMPLE	<u>FSI</u>	<u>SD</u>
"Scafnet-Original-Green-SCAF1M50"	5	55

Observations of Burning Characteristics

- The sample began to ignite immediately upon exposure to the test flame.
- The flame front propagated to a maximum distance of 1 foot at approximately 0.25 minutes. Melting and flaming dripping of the sample was observed.
- Smoke Development was recorded during the test (see accompanying chart).

Authorities having jurisdiction usually refer to these categories:

	Flame-Spread Index	Smoke Development
Class 1 or A	0 - 25	450 Maximum
Class 2 or B	26 - 75	450 Maximum
Class 3 or C	76 - 200	450 Maximum

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

Robert A. Carleton,

Fire Testing.

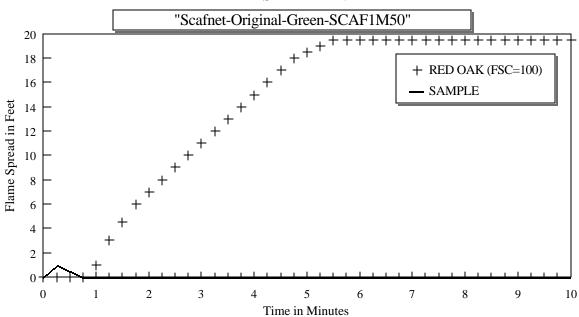
Ian Smith,

Fire Testing.

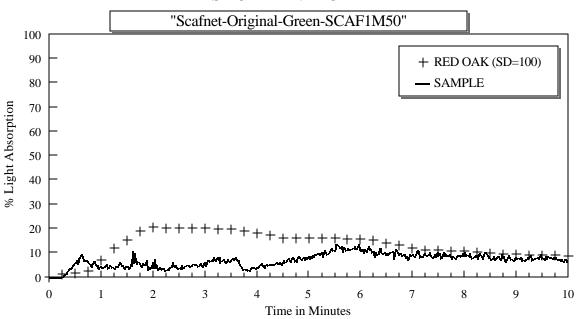
Note: This report consists of 4 pages, including the cover page, that comprise the report "body". It should be considered incomplete if all pages are not present.

For: Superchute Report No. 08-002-378





SMOKE DEVELOPED



<u>FSI</u>	<u>SD</u>
5	55