



**Fire Testing
Laboratory**



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TEST REPORT

FOR

Bramec Corporation

403 N. Highway 105
North Sioux City, SD 57049

Surface Burning Characteristics of Building Materials

ASTM E – 84-11a

Test Report No: FH-2326

Assignment No: H-919

Test Date: 09/10/2012

Report Date: 09/10/2012

Subject Material: Bramec Item Number 1007 Foam Tape

Prepared by: _____

Steven M. Armenia
Lead Test Technician

Reviewed by: _____

Robert J. Menchetti
Director, Laboratory Facilities and Testing Services

The results reported in this document apply to specific samples submitted for measurement.
No responsibility is assumed for performance of any other specimen.
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The laboratory's test reports in no way constitutes or implies product certification, approval
or endorsement by this laboratory.



MATERIAL TESTED:

Material submitted by Bramec, Corporation, North Sioux City, SD, was described as:

Bramec Item Number 1007 Foam Tape

The material was submitted in 1/8 in. thick x 2 in. wide x 60 ft. long rolls. The sample was applied to 1/4 in. thick non-combustible fiber reinforced cement board, run the length of the tunnel furnace. Sample was spaced 8 in. on center, drawn 4 in. off centerline.

METHOD OF SUPPORT:

The specimen panels were placed end to end, and butted tightly together, to achieve the required 24 ft. length. No additional support was required.

LID PROTECTION:

1/4 in. thick non-combustible fiber reinforced cement board was placed over the specimen as lid protection.

RESULTS:

The results can be found on page 3 of this report.

RESULTS:

<u>TEST NO.</u>	<u>MATERIAL TESTED</u>	<u>SIDE</u> <u>EXPOSED</u>	<u>SUPPORT</u>	<u>CALCULATED</u> <u>FLAME SPREAD</u>	<u>CALCULATED</u> <u>SMOKE DEVELOPED</u>
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1	Bramec Item Number 1007 Foam Tape	SYMMETRICAL	CEMENT BOARD	5.90	4.85
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<u>MATERIAL TESTED</u>	<u>SIDE</u> <u>EXPOSED</u>	<u>SUPPORT</u>	<u>FLAME SPREAD</u> <u>INDEX *</u>	<u>SMOKE DEVELOPED</u> <u>INDEX *</u>
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RED OAK FLOORING	NA	DECKS	100	100
REINFORCED CEMENT BOARD	NA	SELF	0	0

1	Bramec Item Number 1007 Foam Tape	SYMMETRICAL	CEMENT BOARD	5	5
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* Flame Spread/Smoke Developed Index is the result (or average of the results of multiple tests), rounded to the nearest multiple of 5. Smoke Developed in excess of 200, rounded to the nearest 50.

<u>CLASSIFICATION</u>	<u>FSI</u>	<u>SDI</u>
CLASS "A"	< 25	0 - 450
CLASS "B"	26 - 75	0 - 450
CLASS "C"	76 - 200	0 - 450



Fire Testing Laboratory

TEST#: FH-2326

DATE: 9/10/2012

TEST METHOD: ASTM-E84-11a

CLIENT: Bramec Corp.

PROJECT#: H919

SAMPLE: ||||| 2" wide Foam tape adhered to
1/4" c

ement board||

MATERIAL: (6) 2' x 4' panels

SUPPORT: Self Supporting

REMARKS:

Ignition Time: 0:04

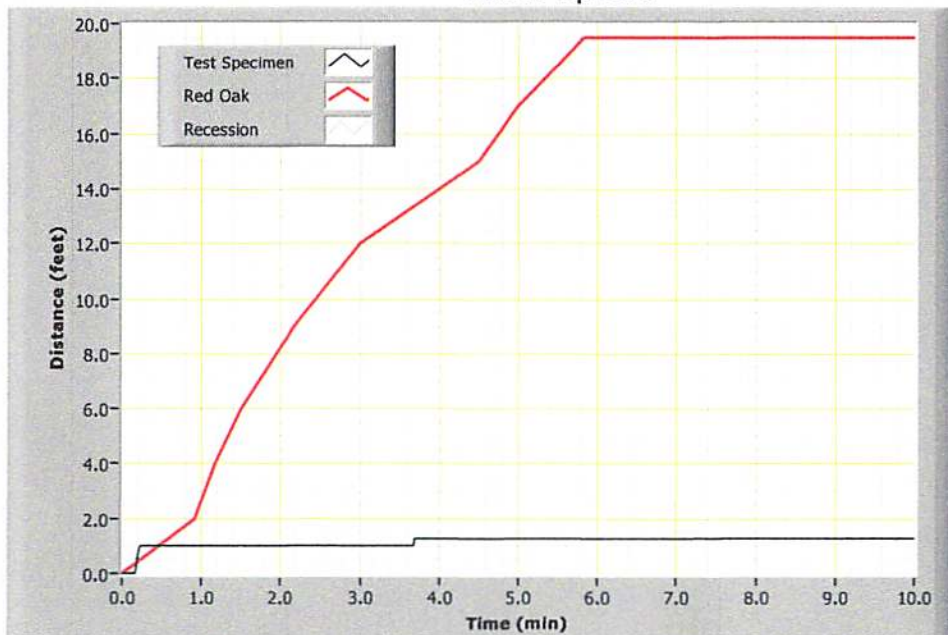
Max Flame Front: 1.26 FT. @ 8:32

ADC DRAFT (IN. H₂O) 0.080
GAS PRESS. (IN. H₂O) 0.295
GAS VOL (CF) 50.40
BTU/cf 990
SHUTTER (IN.) 3.00
TEMP. 13' BURIED 105 F

Flame Spread: 5.90
Area under Flame Curve (ft-min): 11.45

Smoke Developed: 4.85
Area under Smoke Curve (%A-min): 2.47

Flame Spread



Smoke Developed

