



Laboratory Report L7770.01.08-1

Weight Incline Test
of
Fast Felt®
in accordance with
Miami-Dade BCCO Requirements

Prepared for:
LFF Systems, LLC
11302 Memorial Drive
Houston, TX 77024

Date of Issuance:
January 7, 2008

EXTERIOR RESEARCH & DESIGN, LLC.

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LAB: 10 Mauney Court • Columbia, SC 29201 • P: (803) 988-8133 • F: (803) 988-8111





CLIENT INFORMATION: LFF Systems, LLC.
11302 Memorial Drive
Houston, TX 77024
C/O: David Collins

PROJECT REFERENCE: Project #2007.L7770SC

M-D NOTIFICATION: ERD06063

SCOPE: Document slippage of **FAST FELT®** underlayment systems to meet Miami-Dade requirements set forth in letter dated May 16, 2007.

CLIENT SAMPLES: **FAST FELT®** is an ASTM D226, Type II roofing felt with plastic tabs pre-affixed to the top surface for use in sloped roofing applications.

SAMPLE DELIVERY: The named client shipped samples of said materials to TRINITY|ERD's laboratory, for testing.

TEST DATE(S): August 2007

TECHNICIANS: Charles Phillips, Tim Bush

PROPERTIES: Weight Incline Test

STANDARDS: Miami-Dade Proposal Evaluation 06-0388

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TL-199



I. WEIGHT INCLINE TEST PER MIAMI-DADE 06-0388:

I.1 Specimen Preparation:

I.1.1 Specimens were constructed using a 4' x 8' sheet of nominal 1" exterior grade plywood installed over 2" x 4" wood supports on the back. **FAST FELT®** was nailed to the plywood, such that one of the tabs was centered approximately at the horizontal and vertical center of the plywood sheet. A second ply, consisting of a 90# felt, was fully adhered to the **FAST FELT®** in hot asphalt.

I.2 Procedure:

I.2.1 The specimens are set at slope of 4:12 in accordance with the Miami-Dade directive. 5 minutes after placement of the 2nd ply, the 50 lb sand bag is placed approximately at the intersection of the vertical and horizontal center lines in accordance with the Miami-Dade directive.

I.2.2 Specimens are monitored at ambient conditions for slippage and/or damage to the underlayment during the dwell period of 15 min

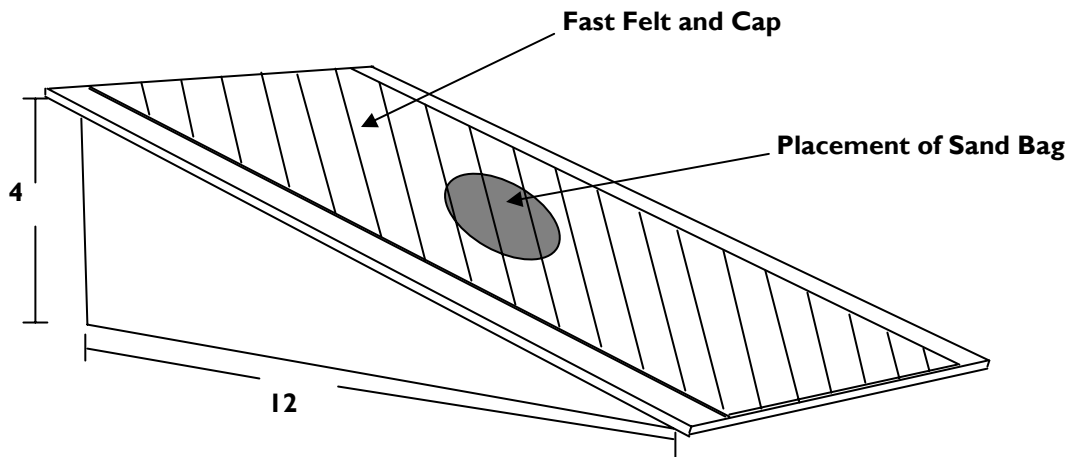


Figure 1 – Diagram of Specimen Construction

I.3 Results:

I.3.1 The specimen displayed no signs of slippage or damage during the 15 minute exposure duration.



2. CONCLUSIONS:

2.1 TRINITY|ERD has tested the specimens outlined in Section I.I.I in accordance with the Weight Incline Test procedure set forth in Miami-Dade Proposal Evaluation 06-0388. The specimens passed the test requirements.

Please contact our office with any questions.

Sincerely,
TRINITY | ERD

A handwritten signature in black ink, appearing to read "C. Phillips".

Charles Phillips
Laboratory Systems Manager

A handwritten signature in black ink, appearing to read "Robert Nieminen".

Robert Nieminen, P.E.
Vice President

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