TEST REPORT

LABORATORY NUMBER:
2767-10-01

EVALUATION OF:
"MIRAFLEX II"
(Resistance to Foot Traffic)

PREPARED FOR:
Crossfield Products Corp.
3000 E. Hardcourt Street
Rancho Dominguez, CA

TEST CONDUCTED AT:
Ramtech Laboratories
14104 Orange Avenue
Paramount, CA 90723

APPROVED BY:
Steven Berggren
STEVEN BERGGREN
LABORATORY ADMINISTRATOR

DATE ISSUED: March 7, 2010

REVIEWED BY:
Ron Ogawa P.E.
Consulting Engineer
TABLE OF CONTENTS

COVER PAGE

A title (e.g., "Test Report") .................................................. 1
The name of the laboratory ................................................. 1
The address of the laboratory ............................................. 1
The location where the tests were carried out ......................... 1
The unique identification of the test report ............................ 1
The name of the client ..................................................... 1
The name of the person authorizing the test report ................... 1
The signature of the person authorizing the test report .......... 1
A statement to the effect that the results relate only to the items tested ................................................................. 1

BODY OF REPORT

1 The identification of the test method used .......................... 3
2 A description of the items tested ....................................... 3
3 Unambiguous identification of the items tested .................. 3
4 The date of sampling ..................................................... 3
5 Unambiguous identification of the product sampled .............. 3
6 The location of sampling ............................................... 3
7 A reference to the sampling plan and procedure .................... 3
8 Details of the environmental conditions during sampling .. 3
9 The date of receipt of the test items ................................ 3
10 The date of performance of the test ................................ 3
11 Clarification of any deviations, additions and exclusions from the test method ................................................................. 3

TEST RESULTS

A Resistance to Foot Traffic ................................................. 3

Appendix

1 Photo of test specimen .................................................. 4
The purpose of this test program was to evaluate the "Miraflex II" walking deck system as manufactured under ICC-ES Evaluation Report ESR-1714 for its “Resistance to Foot Traffic” when installed over 3/4 inch Plywood (Nominal). The following test data is presented in accordance with the required reporting procedures of ISO 17025 and the ICC-ES Acceptance Criteria for Laboratory Accreditation (AC-89).

1. The identification of the test method used:
   1.1 Testing was conducted in accordance with the ICC Evaluation Service, Inc., Acceptance Criteria for Walking Decks (AC39)

2. A description of the items tested & Sampling:
   2.1 The walking deck is described as the "Miraflex II" as described in the ICC-ES Report ESR-1714
   2.2 The fabrication of the test sample was witnessed by Mr. Ron Ogawa under IAS Accreditation (AA-705) where he verified the test sample met the modified requirements of ESR 1714 (See Appendix)

3. Unambiguous identification of the items tested:
   3.1.1 Ramtech Laboratories identified the test specimens as follows:

4. The date of performance of the test:
   4.1 Ramtech Laboratories conducted the testing in February 2010.

A Resistance to Foot Traffic:
A1 General:
In accordance with the client’s request, Ramtech Laboratories conducted an “Resistance to Foot Traffic” on the “Miraflex II” decking systems installed onto a 3/4 inch Substrate (12” x 12”) in general accordance with FM 4470 (Section 5.5) as required under the International Building Code (1504.7):

A2 Purpose:
The purpose of this test was to determine the resistance of the “Decking System” to foot traffic:

A3 Procedure:
A3.1 As required under FM 4470 (Section 5.5) a 3 in square steel plate with rounded edges was centered on the test specimen (See Note Below).
A3.2 A 200 lb load was imposed on the plate.
A3.3 The superimposed load was reduced to zero and the test specimen was reloaded four additional times
A3.4 Penetration and residual reading were taken during each loading sequence without removing the plate

Notes:
1. As a point of clarification, the test specimen was submitted to Ramtech Laboratories without any apparent “Butt Edges” or “Side Joints” as required in FM 4470 (Section 5.5.2 Item 2).
2. However, it is the opinion of Ramtech’s consulting Professional Engineer that the results of this test report would be applicable for “Butt Edges” or “Side Joints” should they occur in the decking system

A4 Condition of Acceptance per FM 4470 (Section 5.5.2):
A4.1 No Tearing of Protective Coating
A4.2 No Cracking of Protective Coating
A4.3 No Exposure of Core Material

A5 Conclusions
A5.1 To the extent tested, the submitted test specimen meets the conditions of acceptance as stated above.
Photograph 1
(Tested Side)
Test specimen verified by Mr. Ron Ogawa
(See Section 2.2 of this Report)

Photograph 1
(Back Side)
Test specimen verified by Mr. Ron Ogawa
(See Section 2.2 of this Report)