

Miami-Dade County, Florida

Building Code Compliance Office
Suite 1603
140 West Flagler Street
Miami, Florida 33130-1563
(305) 375-2901
Fax (305) 375-2908

Laboratory Certificate



This certifies that Exterior Research and Design, LLC, dba Trinity|ERD located at 10 Mauney Ct., Columbia, SC 29201 is an approved Testing Laboratory in accordance with Miami-Dade County Building Code Compliance and Protocol TAS301-94, and is Certified to perform the following tests:

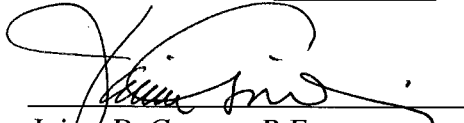
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|--|--|
| TAS101 | TAS131 (Excludes ASTM D1149) |
| TAS102 | ASTM C1167 |
| TAS102(A) | ASTM D3462 (Excludes ASTM D316 & E108) |
| TAS103 | ASTM D4434 |
| TAS104 | ASTM D4637 (Excludes ASTM D1149) |
| TAS105 | ASTM D5019 (Excludes ASTM D1149) |
| TAS105(A) | ASTM D5147 |
| TAS109(A) | ASTM E488 (Excludes seismic tests) |
| TAS110 (Only standards referenced in this cert.) | IAS Report TL-199 |
| TAS111© | |
| TAS114 Appendix C, D, F, G, H, I, J, & K (Excludes Classification F) | |
| TAS117 (A, B & C) | |
| TAS124 | |

Results of the above mentioned test shall be properly submitted to the Miami-Dade County Building Code Compliance Office per TAS301-94, along with all other documentation required for the approval of products. Approved engineer(s) for this laboratory:

Robert Nieminen, P.E., Colin Murphy, RRC, Wissam Naamani, P.E.

This Certification and Registration Approved: May 15, 2008
This Certification and Registration Expires : October 26, 2011

Certification No. : 08-0326.12 Revises: 07-0710.01


Jaime D. Gascon, P.E.
Chief
Product Control Division


Americo Segura
Senior Quality Assurance Inspector
Product Control Division

The Miami-Dade County Building Code Compliance Office reserves the right to remove this certification for non-compliance with rules and regulations as set by Protocol TAS301-94.

International Accreditation Service, Inc. CERTIFICATE OF ACCREDITATION

This is to signify that

TRINITY|ERD
10 MAUNEY COURT
COLUMBIA, SOUTH CAROLINA 29201

Testing Laboratory TL-199
(Revised January 3, 2008)

has demonstrated compliance with ANS/ISO/IEC Standard 17025:2005, *General criteria for the competence of testing and calibration laboratories*, and has been accredited, commencing October 24, 2007, for the test methods listed in the approved scope of accreditation.



Patrick V. McCullen
Vice President



C. P. Ramani, P.E.
President

(see attached scope of accreditation for fields of testing and accredited test methods)

This accreditation certificate supersedes any IAS accreditation certificate bearing an earlier date. The certificate becomes invalid upon suspension, cancellation, or revocation of accreditation. See the IAS *Accreditation Listings* on the web at www.iasonline.org for current accreditation information, or contact IAS directly at (562) 699-0541. Print Date: 02/27/2008

International Accreditation Service, Inc.

SCOPE OF ACCREDITATION


Trinity|ERD TL-199
 (Revised January 3, 2008)

Trinity|ERD
 10 Mauney Court
 Columbia, SC 29201

Charles Phillips
 Laboratory Systems Manager
 (803) 988-8133

FIELDS OF TESTING	ACCREDITED TEST METHODS
Roofing systems, roof underlayment, weather resistive materials and flashing materials	ASTM Standards C 120, C 121, C 127, C 217, C 406, E 96 and E 907; Dade County Protocols TAS 101, 102, 102(A), 103, 104, TAS 105, 110 [Section 8 only (see scope under Physical Properties for exceptions to individual standards covered by Section 8 of TAS 110)] and 114, TAS 122; 1997 UBC Standards 14-1 and 15-6; SBCCI Standard SSTD 11-99; ICC-ES Acceptance Criteria AC24 (only 6-4, 6-5, 6-6 and 6-8) AC38, AC48, AC75 (except fire-classification tests), AC148, AC160, AC165, AC188 and AC209 (only 4-1, 4-2, 4-3, 4-4 and 4-7); ICC-ES Reference Criteria AC08; FM Standards 4454 (appendix D) and 4470 (appendices C, D, F, G and K)
Roof tiles	ASTM Standard C 1167; ICC-ES Acceptance Criteria AC180 (sections 3.1 and 3.2.1.1 only); 1997 UBC Standard 15-5
Roof vents	ICC-ES Acceptance Criteria AC132 (sections 5.1 and 5.3 only)
Nails and fasteners	ASTM Standard D 1761; ICC-ES Acceptance Criteria AC65; Miami-Dade County Protocol TAS 117(A)

October 24, 2007
 Commencement Date


 C. P. Ramani, P.E.
 President

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International Accreditation Service, Inc.

SCOPE OF ACCREDITATION

Trinity| ERD TL-199

(Revised January 3, 2008)

FIELDS OF TESTING	ACCREDITED TEST METHODS
Physical Properties	ASTM Standards C 79, C 165, C 203, C 209, C 272, C 297, C 303, C 578 (except thermal resistance and flame spread), C 728 (except thermal resistance and flame spread), C 836, C 957, C 1442 (sections 7.2 and 7.3 only), C 1519 (section 6.5 only), D 5, D 36, D 146, D 228, D 412, D 471, D 570, D 573, D 618, D 624, D 638, D 751, D 816, D 904, D 1004, D 1204, D 1261, D 1621, D 1622, D 1623, D 1790, D 1922, D 1970, D 2126, D 2136, D 2137, D 2178, D 2247, D 2565, D 3045, D 3330, D 3451 (section 34.2.3 and 34.2.4), D 3462, D 3909, D 4434, D 4459, D 4601, D 4798, D 4869, D 4897, D 5147, D 5602, D 5635, D 6083, D 6162, D 6163, D 6164, D 6222, D 6223, D 6298, D 6695, D 6754 and D 6878 (except section 7.8)
Masonry Screws	ASTM Standard E 488 (tension and shear only)
Environmental Exposure	ASTM Standards C 1442 (Section 7.2 and 7.3 only), C 1519 (section 6.5 only), D 2126, D 2898 (method A only), D 4799, G 26, G 154 and G 155
Windows and Doors	ASTM Standards E 547 and E 1105; AAMA Standard 502

October 24, 2007

Commencement Date



C. P. Ramani, P.E.

President

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