

Laboratory Certificate



This certifies that Momentum Tech Intl a div. of RCMA Americas Inc. located at 1507 Boettler Road, Uniontown, OH 44685 is an approved Testing Laboratory in accordance with Miami-Dade County Department of Regulatory and Economic Resources and Protocol TAS301-94, and is Certified to perform the following tests:

Table with 3 columns listing test standards: TAS103, TAS104, TAS110, TAS114, TAS131, TAS132, TAS138, TAS139, TAS140, TAS141, TAS142, TAS143, ASTM C719, ASTM C793, ASTM C957, ASTM C1305, ASTM D224, ASTM D225, ASTM D226, ASTM D227, ASTM D249, ASTM D412, ASTM D449, ASTM D450, ASTM D751, ASTM D1864, ASTM D2521, ASTM D2626, ASTM D2822, ASTM D2829, ASTM D2939, ASTM D3409, ASTM D3617, ASTM D3909, ASTM D4022, ASTM D4402, ASTM D4586, ASTM D4601, ASTM D4799, ASTM D4897, ASTM D4977, ASTM D4990, ASTM D5601, ASTM D5602, ASTM D6083, ASTM D6152, ASTM D6162, ASTM D6163, ASTM D6164, ASTM D6222, ASTM D6223, ASTM D6380, ASTM D6509, ASTM D6511, ASTM D6694, CAN/CGSB-37.50, A2LA Lab Accreditation, per Certificate No. 2711.01

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

John F. Warmus, P.E., John Easley Nevin, P.E.

This Certification and Registration Approved: January 16, 2014

This Certification and Registration Expires : March 07, 2017

Certification No. : 13-1205.03 Revises: 12-0419.02

Signature of Jaime D. Gascon

Jaime D. Gascon, P.E. Product Control Section Supervisor Product Control Section

Signature of Americo Segura

Americo Segura, M.S. Quality Assurance Unit Supervisor Product Control Section

The Miami-Dade County Department of Regulatory and Economic Resources reserves the right to remove this certification for non-compliance with rules and regulations as set by Protocol TAS301-94.

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**UNDERLAYMENTS:**

**TASI03 Test Procedure of Self Adhered Underlayments for Use in Discontinuous Roof Systems**

- |  |                                      |
|--|--------------------------------------|
| Section 5: Conditioning                      | Section 14: Accelerated Aging        |
| Section 6: Thickness                         | Section 15: Cyclic Elongation        |
| Section 8: Dimensional Stability             | Section 16: Water Vapor Transmission |
| Section 9: Tear Resistance                   | Section 17: Compound Stability       |
| Section 10: Breaking Strength and Elongation | Section 18: Puncture Resistance      |
| Section 11: Water Absorption                 | Section 19: Tile Slippage            |
| Section 12: Low Temperature Flexibility      | Section 20: Crack Cycling            |
| Section 13: Ultraviolet Resistance           | Section 21: Peel Resistance          |
|  | Section 22: Granule Adhesion         |

**TASI04 Test Procedure for Nail-On Underlayments for Use in Discontinuous Roof Systems**

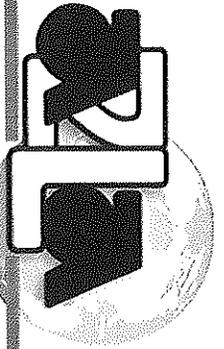
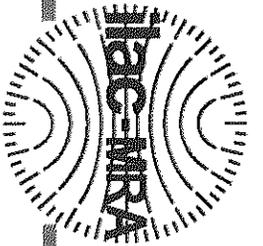
- |   |                                      |
|---|--------------------------------------|
| Section 5: Conditioning                     | Section 12: Ultraviolet Resistance   |
| Section 6: Thickness                        | Section 13: Accelerated Aging        |
| Section 8: Tear Resistance                  | Section 14: Cyclic Elongation        |
| Section 9: Breaking Strength and Elongation | Section 15: Water Vapor Transmission |
| Section 10: Water Absorption                | Section 17: Tile Slippage Resistance |
| Section 11: Low Temperature Flexibility     | Section 18: Granule Adhesion         |

**PHYSICAL PROPERTY REQUIREMENTS:**

**TASI 10 Physical Property Requirements of Roof Membranes, Insulation Materials, Membrane Coatings and Other Roofing Components**

- |            |                                      |            |
|------------|--------------------------------------|------------|
| Section 2: | <u>ASPHALT BUILT-UP ROOF SYSTEMS</u> |            |
|            | ASTM D224                            | ASTM D3019 |
|            | ASTM D226                            | ASTM D3409 |
|            | ASTM D228                            | ASTM D3747 |
|            | ASTM D41 (Excludes Section 5.1.1)    | ASTM D3909 |
|            | ASTM D249                            | ASTM D4022 |
|            | ASTM D312                            | ASTM D4586 |
|            | ASTM D371                            | ASTM D4897 |
|            | ASTM D2178                           | ASTM D4601 |
|            | ASTM D2626                           | ASTM D5147 |





American Association for Laboratory Accreditation

# Accredited Laboratory

A2LA has accredited

## MOMENTUM TECHNOLOGIES INTERNATIONAL

Uniontown, OH

for technical competence in the field of

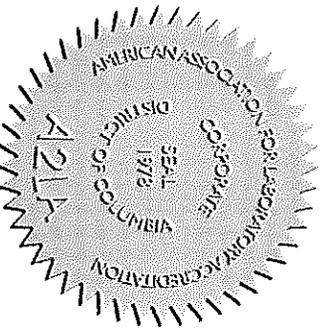
Construction Materials Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *General Requirements for the Competence of Testing and Calibration Laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF *Communiqué* dated 8 January 2009).

Presented this 6<sup>th</sup> day of December 2012.

President & CEO

For the Accreditation Council  
Certificate Number 2711.01  
Valid to August 31, 2014  
Revised November 15, 2013



*For the tests to which this accreditation applies, please refer to the laboratory's Construction Materials Scope of Accreditation.*

Select Year:  

## The 2013 Florida Statutes

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Title XXXIII  
REGULATION OF TRADE, COMMERCE,  
INVESTMENTS, AND SOLICITATIONS

Chapter 553  
BUILDING CONSTRUCTION  
STANDARDS

[View Entire  
Chapter](#)

### **553.842 Product evaluation and approval.—**

(1) The commission shall adopt rules under ss. [120.536\(1\)](#) and [120.54](#) to develop and implement a product evaluation and approval system that applies statewide to operate in coordination with the Florida Building Code. The commission may enter into contracts to provide for administration of the product evaluation and approval system. The commission's rules and any applicable contract may provide that the payment of fees related to approvals be made directly to the administrator. Any fee paid by a product manufacturer shall be used only for funding the product evaluation and approval system. The product evaluation and approval system shall provide:

- (a) Appropriate promotion of innovation and new technologies.
- (b) Processing submittals of products from manufacturers in a timely manner.
- (c) Independent, third-party qualified and accredited testing and laboratory facilities, product evaluation entities, quality assurance agencies, certification agencies, and validation entities.
- (d) An easily accessible product acceptance list to entities subject to the Florida Building Code.
- (e) Development of stringent but reasonable testing criteria based upon existing consensus standards, when available, for products.
- (f) Long-term approvals, where feasible. State and local approvals will be valid until the requirements of the code on which the approval is based change, the product changes in a manner affecting its performance as required by the code, or the approval is revoked. However, the commission may authorize by rule editorial revisions to approvals and charge a fee as provided in this section.
- (g) Criteria for revocation of a product approval.
- (h) Cost-effectiveness.

(2) The product evaluation and approval system shall rely on national and international consensus standards, whenever adopted by the Florida Building Code, for demonstrating compliance with code standards. Other standards which meet or exceed established state requirements shall also be considered.

(3) Products or methods or systems of construction that require approval under s. [553.77](#), that have standardized testing or comparative or rational analysis methods established by the code, and that are certified by an approved product evaluation entity, testing laboratory, or certification agency as complying with the standards specified by the code shall be approved for statewide use. Products required to be approved for statewide use shall be approved by one of the methods established in subsection (5) without further evaluation.

(4) Products or methods or systems of construction requiring approval under s. [553.77](#) must be approved by one of the methods established in subsection (5) before their use in construction in this

state. Products may be approved by the commission for statewide use. Notwithstanding a local government's authority to amend the Florida Building Code as provided in this act, statewide approval shall preclude local jurisdictions from requiring further testing, evaluation, or submission of other evidence as a condition of using the product so long as the product is being used consistent with the conditions of its approval.

(5) Statewide approval of products, methods, or systems of construction may be achieved by one of the following methods. One of these methods must be used by the commission to approve the following categories of products: panel walls, exterior doors, roofing, skylights, windows, shutters, impact protective systems, and structural components as established by the commission by rule. A product may not be advertised, sold, offered, provided, distributed, or marketed as hurricane, windstorm, or impact protection from wind-borne debris from a hurricane or windstorm unless it is approved pursuant to this section or s. 553.8425. Any person who advertises, sells, offers, provides, distributes, or markets a product as hurricane, windstorm, or impact protection from wind-borne debris without such approval is subject to the Florida Deceptive and Unfair Trade Practices Act under part II of chapter 501 brought by the enforcing authority as defined in s. 501.203.

(a) Products for which the code establishes standardized testing or comparative or rational analysis methods shall be approved by submittal and validation of one of the following reports or listings indicating that the product or method or system of construction was in compliance with the Florida Building Code and that the product or method or system of construction is, for the purpose intended, at least equivalent to that required by the Florida Building Code:

1. A certification mark or listing of an approved certification agency, which may be used only for products for which the code designates standardized testing;
2. A test report from an approved testing laboratory;
3. A product evaluation report based upon testing or comparative or rational analysis, or a combination thereof, from an approved product evaluation entity; or
4. A product evaluation report based upon testing or comparative or rational analysis, or a combination thereof, developed and signed and sealed by a professional engineer or architect, licensed in this state.

A product evaluation report or a certification mark or listing of an approved certification agency which demonstrates that the product or method or system of construction complies with the Florida Building Code for the purpose intended is equivalent to a test report and test procedure referenced in the Florida Building Code. An application for state approval of a product under subparagraph 1. or subparagraph 3. must be approved by the department after the commission staff or a designee verifies that the application and related documentation are complete. This verification must be completed within 10 business days after receipt of the application. Upon approval by the department, the product shall be immediately added to the list of state-approved products maintained under subsection (13). Approvals by the department shall be reviewed and ratified by the commission's program oversight committee except for a showing of good cause that a review by the full commission is necessary. The commission shall adopt rules providing means to cure deficiencies identified within submittals for products approved under this paragraph.

(b) Products, methods, or systems of construction for which there are no specific standardized testing or comparative or rational analysis methods established in the code may be approved by submittal and validation of one of the following:

1. A product evaluation report based upon testing or comparative or rational analysis, or a combination thereof, from an approved product evaluation entity indicating that the product or method or system of construction was in compliance with the intent of the Florida Building Code and that the product or method or system of construction is, for the purpose intended, at least equivalent to that required by the Florida Building Code; or

2. A product evaluation report based upon testing or comparative or rational analysis, or a combination thereof, developed and signed and sealed by a professional engineer or architect, licensed in this state, who certifies that the product or method or system of construction is, for the purpose intended, at least equivalent to that required by the Florida Building Code.

(6) The commission shall ensure that product manufacturers that obtain statewide product approval operate quality assurance programs for all approved products. The commission shall adopt by rule criteria for operation of the quality assurance programs.

(7) For state approvals, validation shall be performed by validation entities approved by the commission. The commission shall adopt by rule criteria for approval of validation entities, which shall be third-party entities independent of the product's manufacturer and which shall certify to the commission the product's compliance with the code. The commission may adopt by rule a schedule of penalties to be imposed against approved validation entities that validate product applications in violation of this section or rules adopted under this section.

(8) The commission may adopt rules to approve the following types of entities that produce information on which product approvals are based. All of the following entities, including engineers and architects, must comply with a nationally recognized standard demonstrating independence or no conflict of interest:

(a) Evaluation entities approved pursuant to this paragraph. The commission shall specifically approve the National Evaluation Service, the International Association of Plumbing and Mechanical Officials Evaluation Service, the International Code Council Evaluation Services, and the Miami-Dade County Building Code Compliance Office Product Control. Architects and engineers licensed in this state are also approved to conduct product evaluations as provided in subsection (5).

(b) Testing laboratories accredited by national organizations, such as A2LA and the National Voluntary Laboratory Accreditation Program, laboratories accredited by evaluation entities approved under paragraph (a), and laboratories that comply with other guidelines for testing laboratories selected by the commission and adopted by rule.

(c) Quality assurance entities approved by evaluation entities approved under paragraph (a) and by certification agencies approved under paragraph (d) and other quality assurance entities that comply with guidelines selected by the commission and adopted by rule.

(d) Certification agencies accredited by nationally recognized accreditors and other certification agencies that comply with guidelines selected by the commission and adopted by rule.

(e) Validation entities that comply with accreditation standards established by the commission by rule.

(9) A building official may deny the local application of a product or method or system of construction which has received statewide approval, based upon a written report signed by the official that concludes the product application is inconsistent with the statewide approval and that states the reasons the application is inconsistent. Such denial is subject to the provisions of s. 553.77 governing appeal of the building official's interpretation of the code.

(10) Products, other than manufactured buildings, which are custom fabricated or assembled shall not require separate approval under this section provided the component parts have been approved for

the fabricated or assembled product's use and the components meet the standards and requirements of the Florida Building Code which applies to the product's intended use.

(11) A building official may appeal the required approval for local use of a product or method or system of construction to the commission. The commission shall conduct a hearing under chapter 120 and the uniform rules of procedure and shall handle such appeals in an expedited manner.

(12) The decisions of local building officials shall be appealable to the local board of appeals, if such board exists, and then to the commission, which shall conduct a hearing under chapter 120 and the uniform rules of procedure. Decisions of the commission regarding statewide product approvals and appeals of local product approval shall be subject to judicial review pursuant to s. [120.68](#).

(13) The commission shall maintain a list of the state-approved products, product evaluation entities, testing laboratories, quality assurance agencies, certification agencies, and validation entities and make such lists available in the most cost-effective manner. The commission shall establish reasonable timeframes associated with the product approval process and availability of the lists.

(14) The commission shall by rule establish criteria for revocation of product approvals as well as revocation of approvals of product evaluation entities, testing laboratories, quality assurance entities, certification agencies, and validation entities. Revocation is governed by s. [120.60](#) and the uniform rules of procedure.

(15) The commission may adopt a rule listing the prescriptive, material standards and alternative means by which products subject to those standards may demonstrate compliance with the code.

(16) The commission may adopt a rule that identifies standards that are equivalent to or more stringent than those specifically adopted by the code, thereby allowing the use in this state of the products that comply with the equivalent standard.

**History.**—s. 54, ch. 98-287; s. 90, ch. 2000-141; s. 30, ch. 2001-186; s. 18, ch. 2002-293; s. 16, ch. 2005-147; s. 65, ch. 2006-1; s. 8, ch. 2007-187; s. 16, ch. 2008-191; s. 39, ch. 2010-176; s. 32, ch. 2011-222; s. 17, ch. 2013-193.