

TESTING APPLICATION STANDARD (TAS) 121-95
STANDARD REQUIREMENTS FOR TESTING AND APPROVAL OF ROOFING
ADHESIVES, MASTICS AND COATINGS

1. Scope:

- 1.1 This protocol cover the procedures for testing of adhesives, mastics and coatings used in roofing applications and the approval process for all products which have successfully met the testing criteria.
- 1.2 This protocol applies to all products used in both low and steep slope roofing applications, other than sealants (see TAS 132 for sealant requirements).
- 1.3 All testing shall be conducted by an approved testing agency, which provides a listing service. All test reports shall be executed by a professional engineer and an authorized signatory of the testing/listing agency.
- 1.4 This protocol establishes the testing and listing program required of these products to confirm continuing compliance with the ASTM or Testing Application Standards.
- 1.5 This protocol has not been contemplated to measure the performance of the adhesives, mastics and coatings in conjunction with all approved roof system assemblies.

2. Referenced Documents:

- 2.1 *The Florida Building Code, Building.*
- 2.2 *ASTM Standards:*
 - D 140 Standard Practice for Sampling Bituminous Materials
 - C 1021 Standard Practice for Laboratories Engaged in the Testing of Building Sealants
 - D 1079 Standard Definitions and Terms Relating to Roofing, Waterproofing and Bituminous Materials
 - E 380 Excerpts from the Standard Practice for Use of the Interna-

tional System of Units (SI) (the Modernized Metric System)

2.3 *Application Standards*

TAS 110 Testing Requirements for Physical Properties of Roof Membranes, Insulation Coatings and Other Roofing Components.

2.4 *Roof Consultants Institute: Glossary of Terms*

3. Terminology:

- 3.1 Definitions—For definitions of terms used in this Protocol, refer to ASTM D 16; and/or ASTM D 1079 and/or Chapter 2 of the *Florida Building Code, Building*; and/or the RCI Glossary of Terms. Definitions from the *Florida Building Code, Building* shall take precedence.
- 3.2 Units—For conversion of U.S. customary units to SI units, refer to ASTM E 380.

4. Test Specimens:

- 4.1 Sampling of all bituminous products under this Protocol shall be in compliance with ASTM D 140.
- 4.2 Unless otherwise noted in the specific ASTM Test Standard, sampling of all non-bituminous products under this protocol shall be in compliance with ASTM C 1021. Particular reference is made to Subsection 5.2.1 of this test standard.

5. Listing Services:

- 5.1 All products which require testing shall be tested by an approved testing agency which provides an annual listing service.
- 5.2 All products shall be listed in the testing agency's annual directory and shall be subject to unannounced manufacturing audits to insure compliance with manufacturing guidelines.

6. Testing Requirements:

- 6.1 All products noted herein which successfully obtain Product Approval shall have been tested in compliance with all applicable ASTM or Testing Application Standards enumerated in TAS 110.
- 6.2 All applicable test data and test reports shall be submitted with the roofing component manufacturer's application for Product Approval.
- 6.3 When a roofing component Product Approval is attained, the approved product shall have its Product Approval number imprinted on it or its packaging, along with the approved testing/listing agency's name and logo, as noted in Section 6.3, herein.

provision to lifting of approval suspension.

7. Packaged Material:

- 7.1 Packaged material shall be certified by the manufacturer to be in compliance with this specification and shall be labeled in compliance with Section 1517 of the *Florida Building Code, Building*. Product Approval documents shall be provided to the purchaser or end user upon request.
- 7.2 Shipping containers shall be marked with the name of the material, stock number, lot number, year of issue and quantity therein and the name of the manufacturer or supplier.

8. Rejection and Reinspection

- 8.1 The authority having jurisdiction may periodically purchase commercial quantities of the approved product for testing at approved Testing Agencies to confirm compliance with the provisions of the ASTM Standard or Testing Application Standards. Failure to meet the minimum physical property and performance properties of the test standard shall constitute grounds for rejection of the lots and suspension of the Product Approval. In cases of rejection the Authority Having Jurisdiction shall request removal of the rejected lot number(s) from commercial sale.
- 8.2 The Authority Having Jurisdiction may, after rejection of one or more lots, require third party quality control inspection as a