

TESTING APPLICATION STANDARD (TAS) 140-95
STANDARD REQUIREMENTS FOR NONFIBERED
ROOF AND FOUNDATION COATINGS

1. Scope:

- 1.1 This Protocol covers nonfibered asphalt roof and foundation coatings suitable for brush or spray application.
- 1.2 The Protocol is provided as a guide for the selection and proper use of Non-Fibered Roof and Foundation coatings.
- 1.3 This standard specifically addresses laboratory testing of these coatings and does not provide guidance for actual field application.
- 1.4 All testing shall be conducted by an approved testing agency and all test reports shall be signed by an authorized signer of the testing agency and/or professional engineer.

2. Referenced Documents:

- 2.1 *ASTM Standards*
 - D 16 Terminology Relating to Paint, Varnish, Lacquer and Related Products.
 - D 312 Standard Specification for Asphalt Used in Roofing
 - D 449 Standard Specification for Asphalt Used in Dampproofing and Waterproofing
 - D 946 Penetration Graded Asphalt Cement for Use in Pavement Construction
 - D 1079 Standard Definitions of Terms Relating to Roofing, Waterproofing, and Bituminous Materials
 - D 4479 Standard Specification for Asphalt Roof Coatings - Asbestos Free

E 380 Excerpts from Standard Practice for Use of the International System of Units (SI) (The Modernized Metric System)

2.2 *Florida Building Code, Building*

2.3 *Roof Consultants Institute Glossary of Terms*

3. Terminology & Units:

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. Limitations and Precautions:

4.1 This Protocol may involve hazardous materials, operations and equipment. This Protocol does not purport to address all of the safety problems associated with its use. It is the responsibility of whomever uses this Protocol to consult and establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.

5. Materials and Manufacture:

5.1 The coating shall consist of an asphalt base and volatile petroleum solvent mixed to a smooth consistency.

5.2 The coating shall be formulated as one component which is suitable for application by brush or spray equipment without heating or thinning.

- 5.3 The coating shall be suitable for application and will adhere to clean, dry, properly prepared roofing substrate.
- 5.4 The coating is not intended for use where ponding water conditions exist.
- 5.5 Asphalts that conform to the requirements of Specification D 312, Type I; Specification D 449, Types I or II; or Specification D 946 shall be used.
- 5.6 *Composition* - The non-fiber roof coating product shall conform to composition requirements as follows:

Component Property	MIN.	MAX.
Non-Volatile, (%)	60	—
Moisture, (%)	—	1
Asphalt, (%)	60	—

6. Performance Requirements:

- 6.1 *Physical Properties* - The non-fibered roof coating product shall conform to physical property requirements as follows:

Physical Property	Test Standard	Requirement
Consistency (<i>use 100 g load</i>)	D 4479 Section 8.4	15-75 Stormer seconds
Moisture Content, (%)	D 95	max. 1%
Non-Volatile, (%)	D 4479 Section 8.2	min. 60%
Matter Soluble in Trichloroethylene, (%)	D 2042	min. 99%

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 this Protocol. Failure to meet the minimum requirements set forth in Sections 5 and 6 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 provision to lifting of Approval suspension.
- 8.3 Shipping containers shall be marked with the name of the material, the stock number, lot number, quantity therein, and the name of the manufacturer or supplier.