



## GROWTH AND RESOURCE MANAGEMENT

Building and Zoning  
123 West Indiana Avenue  
Deland, FL 32720  
(386) 736-5929 Fax (386) 943-7096

07/17/08

### Low Sloped Roof Application Information

Roof coverings shall be applied in accordance with the applicable provisions of Sections 905 and 1507 of the Florida Building Code, 120 MPH Wind Zone, State Rule 9B-3.0475 and the manufacturer's installation instructions.

SLOPE:	_____ " in 12"
AVERAGE ROOF HEIGHT ABOVE GRADE :	_____ FEET
DECK TYPE:	_____
ROOF COVERING:	MANUFACTURER _____ PRODUCT _____
STATE of FLORIDA or MIAMI DADE CURRENT PRODUCT APPROVAL NUMBERS:	LIST: _____

**NOTE: MANUFACTURER'S PRODUCT APPROVAL AND INSTALLATION INFORMATION IS REQUIRED TO BE ON-SITE FOR ALL INSPECTIONS.**

#### 9B-3.0475; 101 Retrofits Required.

\* When a roof on an existing site-built, single family residential structure is replaced, the following procedures shall be permitted to be performed by the roofing contractor: Roof-decking attachment and fasteners shall be strengthened and corrected as required by section 201.1.

#### R905.9, 1507.10 Built-up roofs.

\* Slope: Built-up roofs shall have a design slope of a minimum of one-fourth unit vertical in 12 units horizontal (2-percent slope) for drainage, except for coal-tar built-up roofs that shall have a design slope of a minimum one-eighth unit vertical in 12 units horizontal (1-percent slope).

\* Material standards: Built-up roof covering materials shall comply with the standards in Table 1507.10.2.

\* 3 Red rosin paper: Red rosin paper shall be used when the membrane is applied directly to a wood deck or cementitious fiber decks.

\* Built-up roofing material standards per Table R905.9.2 & Table 1507.10.2.

#### R905.11, 1507.11 Modified bitumen roofing.

\* Slope: Modified bitumen membrane roofs shall have a design slope of a minimum of one-fourth unit vertical in 12 units horizontal (2-percent slope) for drainage.

\* Material standards: Modified bitumen roof coverings shall comply with CGSB 37-GP-56M, ASTM D 6162, ASTM D 6163, ASTM D 6164, ASTM D 6222, ASTM D 6223 or ASTM D 6298.

#### R905.12, 1507.12 Thermoset single-ply roofing.

\* Slope: Thermoset single-ply membrane roofs shall have a design slope of a minimum of one-fourth unit vertical in 12 units horizontal (2-percent slope) for drainage.

\* Material standards: Thermoset single-ply roof coverings shall comply with RMA RP-1, RP-2 or RP-3, or ASTM D 4637, ASTM D 5019 or CGSB 37-GP-52M.

#### R905.13, 1507.13 Thermoplastic single-ply roofing.

\* Slope: Thermoplastic single-ply membrane roofs shall have a design slope of a minimum of one-fourth unit vertical in 12

units horizontal (2-percent slope).

\* Material standards: Thermoplastic single-ply roof coverings shall comply with ASTM D 4434 or CGSB 37-GP-54M.

**R905.14, 1507.14 Sprayed polyurethane foam roofing.**

\* Slope: Sprayed polyurethane foam roofs shall have a design slope of a minimum of one-fourth unit vertical in 12 units horizontal (2-percent slope) for drainage.

\* Material standards: Spray-applied polyurethane foam insulation shall comply with ASTM C 1029.

\* Application: Foamed-in-place roof insulation shall be installed in accordance with the manufacturer's instructions. A liquid-applied protective coating that complies with Section 1507.15 shall be applied no less than 2 hours nor more than 72 hours following the application of the foam.

\* Foam plastics: Foam plastic materials and installation shall comply with Chapter 26.

**R905.15, 1507.15 Liquid-applied coatings.**

\* Slope: Liquid-applied roofs shall have a design slope of a minimum of one-fourth unit vertical in 12 units horizontal (2-percent slope).

\* Material standards: Liquid-applied roof coatings shall comply with ASTM C 836, ASTM C 957, ASTM D 6083, ASTM D 1227 or ASTM D 3468.

**R906, SECTION 1508 Roof Insulation**

\* General: The use of above-deck thermal insulation shall be permitted provided such insulation is covered with an approved roof covering and passes the tests of FM 4450 or UL 1256 when tested as an assembly.

Exception: Foam plastic roof insulation shall conform to the material and installation requirements of Chapter 26.

\* Cellulosic fiberboard: Cellulosic fiberboard roof insulation shall conform to the material and installation requirements of Chapter 23.