



**BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION**

**MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908**

NOTICE OF ACCEPTANCE (NOA)

**Santafe Tile Corporation
8825 NW 95th Street
Medley, FL 33178**

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by the BCCO and accepted by the Building Code and Product Review Committee to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The BCCO (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BCCO reserves the right to revoke this acceptance, if it is determined by BCCO that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the South Florida Building Code, 1994 Edition for Miami-Dade County or Florida Building Code.

DESCRIPTION: Mission Barrel “Roofing Tile”

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of pages 1 through 4.
The submitted documentation was reviewed by Frank Zuloaga, RRC



**NOA No.: 02-0903.02
Expiration Date: 10/13/07
Approval Date: 10/03/02
Page 1 of 4**

ROOFING SYSTEM APPROVAL:

Category: Roofing
Sub-Category: Roofing Tiles
Material: Clay

1. SCOPE

This renews a roofing system using Santafe 'Mission Barrell', as manufactured Santafe Tile Corporation described in Section 2 of this Notice of Acceptance. For locations where the pressure requirements, as determined by applicable Building code does not exceed the values listed in Section 4 herein. The attachment calculations shall be done as an uplift based system.

2. PRODUCT DESCRIPTION

<u>Manufactured by Applicant</u>	<u>Dimensions</u>	<u>Test Specifications</u>	<u>Product Description</u>
Mission Barrel Clay Roof Tile	l = 18-¼" w = 8-½ to 7-½" taper ½" thick	TAS 112	High profile, two piece, clay roof tile equipped with one nail holes. For nail-on with clip, mortar set and adhesive set applications.
Trim Pieces	Length: varies Width: varies Varying thickness	TAS 112	Accessory trim, clay roof pieces for use at hips, rakes, ridges and valley terminations. Manufactured for each tile profile.

2.1 COMPONENTS OR PRODUCTS MANUFACTURED BY OTHERS

<u>Product</u>	<u>Dimensions</u>	<u>Test Specifications</u>	<u>Product Description</u>	<u>Manufacturer</u>
Tile Nails	min. 12d x 3¼"	PA 114 Appendix E	Corrosion resistant, ring shank nails.	generic
Roof Tile Mortar ("TileTite™")	N/A	PA 123	Prepared mortar mix designed for mortar set roof tile applications.	Bermuda Roof Company, Inc. with current PCA
Roof Tile Adhesive ("Polypro® AH160")	N/A	See PCA	Two component polyurethane adhesive designed for adhesive set roof tile applications.	Polyfoam Products, Inc. with current PCA



Hurricane Clip & Fasteners	Clips min. ½" width min. 0.060" thick Clip Fasteners min. 12d x 3¼"	TAS 114 Appendix E	Corrosion resistant bronze, aluminum, stainless steel or galvanized steel attachment clips for all nail-on tile attachment. Clips are installed with corrosion resistant roofing nails compatible with the clip.	generic
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3. LIMITATIONS

- 3.1 Fire classification is not part of this acceptance.
- 3.2 For mortar or adhesive set tile applications, a static field uplift test in accordance with RAS 106 may be required, refer to applicable building code.
- 3.3 Applicant shall retain the services of a Miami-Dade county Certified Laboratory to perform quarterly tests in accordance with TAS 112, appendix 'A'. Such testing shall be submitted to the Building Code Compliance Office for review.
- 3.4 Minimum underlayment shall be in compliance with the applicable Roofing Application Standard listed section 4.1 herein.
- 3.5 30/90 hot mopped underlayment applications may be installed perpendicular to the roof slope unless stated otherwise by the underlayment material manufacturers published literature.
- 3.6 This acceptance is for wood deck applications. Minimum deck requirements shall be in compliance with applicable building code.

4. INSTALLATION

- 4.1 Santafe 'Mission Barrel' and its components shall be installed in strict compliance with Miami Dade County Roofing Application Standard RAS 118, RAS 119, and RAS 120.
- 4.2 Data For Attachment Calculations

Table 1: Average Weight (W) and Dimensions (l x w)			
Tile Profile	Weight-W (lbf)	Length - l (feet)	Width-w (feet)
Mission Barrel Clay Roof Tile	5.50	1.50	0.69

Table 2: Minimum Characteristic Resistance Load - F' (lbf)		
Tile Profile	Tile Application	Minimum Characteristic Resistance Load (lbf)
Mission Barrel Clay Roof Tile	Nail-on With A Clip System	32.60
	Mortar Set	76.60
	Adhesive Set	240

- 1. The nail hole shall be located at the center of the cover tile, 1-1/2" from the head.
- 2. Minimum 3" headlap.



5. LABELING

All tiles shall bear the imprint or identifiable marking of the manufacturer's name or logo, or following statement: "Miami-Dade County Product Control Approved".

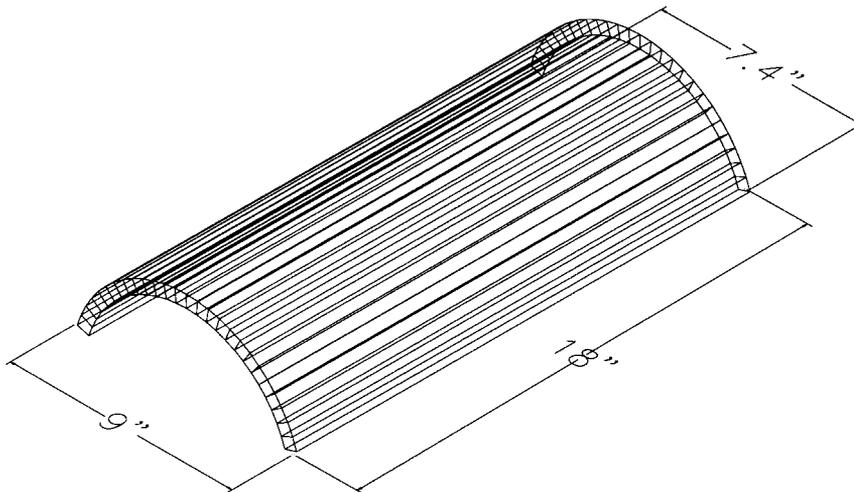
6. BUILDING PERMIT REQUIREMENTS

6.1 Application for building permit shall be accompanied by copies of the following:

6.1.1 This Notice of Acceptance.

6.1.2 Any other documents required by the Building Official or applicable Building Code in order to properly evaluate the installation of this system.

PROFILE DRAWING



SANTAFÉ "MISSION BARREL" CLAY ROOF TILE

END OF THIS ACCEPTANCE



A. TESTS:

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Test Name/Report</u>	<u>Date</u>
The Center for Applied Engineering, Inc.	94-156-6	Static Uplift Testing PA 102(A) (Nails and a Clip)	09/94
The Center for Applied Engineering, Inc.	94-156-5	Static Uplift Testing PA 101 (Adhesive Set)	09/94
The Center for Applied Engineering, Inc.	25-7121-1	Static Uplift Testing PA 101 (Mortar Set)	11/95
The Center for Applied Engineering, Inc.	Project: 07-07-00-91 (307023)	Wind Driven Rain PA 100	09/94
Testwell Craig Laboratories & Consultants, Inc.	Lab #MK-2 Tech: Alberto Ramirez P.E.	Physical Properties ASTM C 1167	08/96

B. OTHER

1. Notice of Acceptance number 02-0903.02