MIAMI-DADE

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)

Spectrum Building Materials, Inc.
2742 NW 112th Avenue
Miami, FL 33172

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: Mixta Spanish "S" Clay Roof 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

PRODUCT CONTROL ACCEPTED

ROOFING SYSTEM APPROVAL:

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

1. SCOPE

This revises a roofing system using Spanish Mixta "S" Clay Roof Tile, as manufactured HDR S.A. 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 a moment based system.

2. PRODUCT DESCRIPTION

Manufactured by Applicant	Dimensions	Test Specifications	Product Description
Mixta "S"	Length: 18.5" Width: 11" Min. 3/8" thickness	TAS 112	High profile, one-piece, "S" shaped, clay roof tile equipped with one-nail holes. For direct deck adhesive attached 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

Product	Dimensions	Test Specifications	Product Description	Manufacturer
Roof Tile Adhesive ("Polypro® AH160")	N/A	See NOA	Two-component polyurethane adhesive designed for adhesive set roof tile applications.	Polyfoam Products, Inc. (With current NOA)
Hurricane Clip & Fasteners	Clips Min. ½" width Min. 0.060" thick Clip Fasteners Min. 8d x 1 ¼"	TAS 114 Appendix E	Corrosion resistant clips with corrosion resistant nails.	Generic (With current NOA)

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 Mixta Spanish "S" Clay Roof Tile and its components shall be installed in strict compliance with Roofing Application Standard TAS 120.

4.2 Data For Attachment Calculations

Table 1: Aerodynamic Multipliers - λ (ft^3)

Tile Profile	λ (ft^3) Direct Deck Application
One Piece "S" Mission Tile	0.33

Table 2: Restoring Moments due to Gravity - M_g (ft-lbf

Tile Profile	3": 12" or less	4": 12"	5": 12"	6": 12"	7": 12" or greater
One Piece 'S' Tile	Direct Deck	Direct Deck	Direct Deck	Direct Deck	Direct Deck
	4.58	4.50	4.39	4.25	4.08

Table 5: Attachment Resistance Expressed as a Moment - M_f (ft-lbf) for Mortar or Adhesive Set Systems

Tile Profile	Tile Application	Attachment Resistance
One Piece "S" Mission Tile	Adhesive Set	54.5

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".

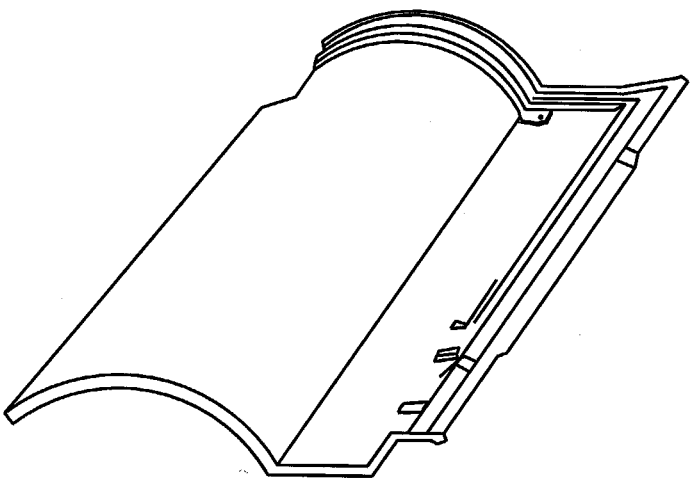
6. BUILDING PERMIT REQUIREMENTS

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



MIXTA SPANISH "S" CLAY ROOF TILE

END OF THIS ACCEPTANCE

A. TESTS:

Test Agency	Test Identifier	Test Name/Report	Date
PRI Asphalt Technologies, Inc.	SBM-01-02-01	TAS 100	11/21/2000
PRI Asphalt Technologies, Inc.	SBM-001-02-01	TAS 101 TAS 102	11/07/2000
PRI Asphalt Technologies, Inc.		Physical Properties TAS 112	01/29/01
PRI Asphalt Technologies, Inc.	SBM-003-02-01	TAS 101	10/17/01

B. OTHER

1. Notice of Acceptance number 01-0504.13