



**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)

**Latin American Tile, Inc.
17832 South Dixie Hwy
Miami, FL. 33157**

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 Miami-Dade County Product Control Division (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. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division 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 Florida Building Code, including the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: "Arizona" & "Amazona" Spanish "S" Clay Roof Tile

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

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 revises NOA 04-0716.02 and consists of pages 1 through 5.
The submitted documentation was reviewed by Alex Tigera.



**NOA No.: 07-0315.01
Expiration Date: 09/02/09
Approval Date: 05/17/07
Page 1 of 5**

ROOFING ASSEMBLY APPROVAL

Category: Roofing
Sub-Category: 07320 Roofing Tiles
Material: Clay
Deck Type: Wood

1. SCOPE

This approves a roofing system using "Arizona" and "Amazona" Spanish "S" Clay Roof Tile manufactured by *Ceraminca Babilonia*. in Colombia and is distributed by *Latin American Tile, Inc.*, as 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 design pressure values obtained by calculations in compliance with RAS 127 using the values listed in section 4 herein. The attachment calculations shall be done as a moment based system.

2. PRODUCT DESCRIPTION

| <u>Manufactured by Applicant</u> | <u>Dimensions</u> | <u>Test Specifications</u> | <u>Product Description</u> |
|------------------------------------|--|----------------------------|--|
| Arizona Spanish "S" Clay Roof Tile | L = 18.25" W = 11.75" Varying thickness | ASTM C1167 | High profile, one-piece, 'S' shaped single roll clay tile with a nominal 2-1/2 inch headlap for direct deck nail-on, or adhesive set applications. |
| Amazona Spanish "S" Clay Roof Tile | L = 18.5" W = 11.5" Varying thickness | ASTM C1167 | High profile, one-piece, 'S' shaped single roll clay tile with a nominal 2-1/2 inch headlap for direct deck nail-on, or adhesive set applications. |
| Trim Pieces | Length: varies Width: varies varying thickness | ASTM C1167 | Accessory trim, clay roof pieces for use at hips, rakes, ridges and valley terminations manufactured for each tile profile. |

2.1 SUBMITTED EVIDENCE:

| <u>Test Agency</u> | <u>Test Identifier</u> | <u>Test Name/Report</u> | <u>Date</u> |
|--------------------------------|------------------------|-------------------------|-------------|
| PRI Asphalt Technologies, Inc. | SPC-021-02-01 | ASTM C 1167 | 01/31/07 |
| PRI Asphalt Technologies, Inc. | SPC-022-02-01 | ASTM C 1167 | 01/31/07 |
| PRI Asphalt Technologies, Inc. | SPC-004-02-05 | TAS 100 | 04/15/04 |
| PRI Asphalt Technologies, Inc. | SPC-004-02-02 | TAS 101 | 03/29/04 |
| PRI Asphalt Technologies, Inc. | SPC-004-02-04 | TAS 102 | 03/26/04 |
| PRI Asphalt Technologies, Inc. | SPC-004-02-03 | TAS 102 | 03/26/04 |



NOA No.: 07-0315.01
 Expiration Date: 09/02/09
 Approval Date: 05/17/07
 Page 2 of 5

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 shall be performed in accordance with TAS 106.
- 3.3 Applicant shall retain the services of a Miami-Dade County Certified Laboratory to perform quarterly test in accordance with TAS 112 (ASTM C-1167), appendix 'A'. Such testing shall be submitted to the Building Code Compliance Office for review.
- 3.4 Minimum underlayments shall be in compliance with the applicable Roofing Applications Standards 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 the applicable Building Code.

4. INSTALLATION

- 4.1 "Arizona" & "Amazona" "S" Clay Roof Tile and its components shall be installed in strict compliance with Roofing Application Standard 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 (ft) | Width-w (ft) |
|--------------|----------------|---------------|--------------|
| Arizona | 6.8 | 1.52 | 0.98 |
| Amazona | 7.4 | 1.54 | 0.96 |

Table 2: Aerodynamic Multipliers - λ (ft³)

| Tile Profile | λ (ft ³) | |
|--------------|------------------------------|-------------------------|
| | Batten Application | Direct Deck Application |
| Arizona | 0.247 | 0.228 |
| Amazona | 0.249 | 0.230 |

Table 3: Restoring Moments due to Gravity - M_g (ft-lbf)

| Tile Profile | 2":12" | | 3":12" | | 4":12" | | 5":12" | | 6":12" | | 7":12" or Greater | |
|---------------------|--------|-------------|--------|-------------|--------|-------------|--------|-------------|--------|-------------|-------------------|-------------|
| | Batten | Direct Deck | Batten | Direct Deck |
| Arizona and Amazona | 4.75 | 4.90 | 4.50 | 4.83 | 4.42 | 4.74 | 4.30 | 4.61 | 4.18 | 4.48 | 4.05 | 4.34 |



| Table 4: Attachment Resistance Expressed as a Moment - M_f (ft-lbf) for Nail-On Systems | | | |
|---|------------------------|---|--|
| Tile Profile | Fastener Type | Direct Deck (Min 15/32" plywood) | Direct Deck (Min. 19/32" plywood) |
| Arizona & Amazona | 1. #8 Screw | 14.90 | 14.90 |
| | 2-10d Ring Shank Nails | 14.54 | 14.54 |

| Table 6: Attachment Resistance Expressed as a Moment - M_f (ft-lbf) for Single Paddy Adhesive Set Systems | | |
|---|-------------------------|--------------------------------------|
| Tile Profile | Tile Application | Minimum Attachment Resistance |
| Arizona & Amazona | Polyfoam PolyPro™ | 70.34 ¹ |
| 1 Large paddy placement of 43 grams of PolyPro™AH-160. | | |

5. LABELING

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

CERAMICA BABILONIA MADE IN COLOMBIA

**LABEL FOR ARIZONA & AMAZONA ROOF TILE
(LOCATED ON TOP SIDE OF TILE)**

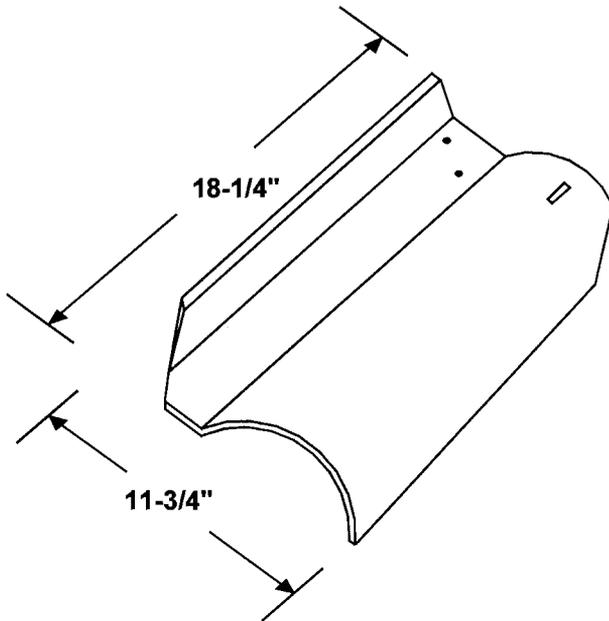
6. BUILDING PERMIT REQUIREMENTS

- 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.

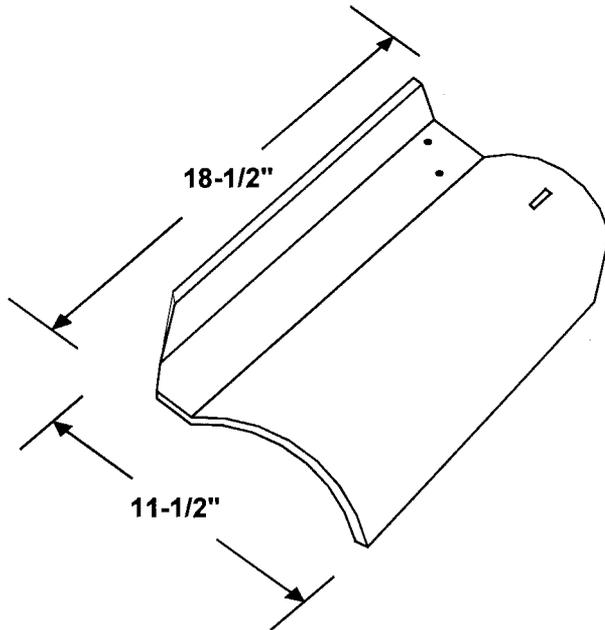


NOA No.: 07-0315.01
 Expiration Date: 09/02/09
 Approval Date: 05/17/07
 Page 4 of 5

PROFILE DRAWING



ARIZONA 'S' ROOF TILE



AMAZONA 'S' ROOF TILE

END OF THIS ACCEPTANCE

