



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
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www.miamidade.gov/economy

NOTICE OF ACCEPTANCE (NOA)

Tejas Vereas, S.A.
Lanzã S/N,
15685 Mesia (A Coruña)-Spain

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section 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 Section (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. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section 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: Caribbean “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 NOA revises NOA 19-0513.05 and consists of pages 1 through 5.
The submitted documentation was reviewed by **Freddy Semino**



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Expiration Date: 07/05/23
Approval Date: 12/31/20
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ROOFING ASSEMBLY APPROVAL

Category: Roofing
Sub Category: Roofing Tiles
Material: Clay

1. SCOPE

This system using Caribbean “S” Clay Roof Tile One Piece Tile, as manufactured by **Tejas Verea, S.A.**, and is distributed by **Ceramica Verea, USA Corp.** 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>
Caribbean “S” Clay Roof Tile, One Piece	Length: 18.75" Width: 10.75" Thickness: ½" Head-lap min. 3" Exposure max. 15.75"	ASTM C1167 Type I Grade 2	High profile clay roof tile for direct deck applications.
Trim Pieces	Length: varies Width: varies	ASTM C1167	Accessory trim, clay roof pieces for use at hips, rakes, ridges and valley terminations.

2.1 MANUFACTURING LOCATION

2.1.1. Mesia (A Coruña) Spain

2.2 EVIDENCE SUBMITTED

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Test Name/Report</u>	<u>Date</u>
American Test Lab of South Florida	RT0309.01-18	ASTM C 1167	04/29/18
American Test Lab of South Florida	RT0616.04-20	ASTM C 1167	06/23/20
American Test Lab of South Florida	RT0309.02-18	Static Uplift Resistance Testing TAS 101 Adhesive set tile system.	04/26/18
American Test Lab of South Florida	RT0609.02-02	Static Uplift Resistance Testing TAS 101 Adhesive set tile system.	06/20/20



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3. LIMITATIONS:

- 3.1 Fire classification is not part of this acceptance.
- 3.2 For 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, 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 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 applicable building code.
- 3.7 All products listed herein shall have a quality assurance audit accordance with the Florida Building Code and Rule 61G20-3 of the Florida Administrative Code.

4. INSTALLATION

- 4.1 Caribbean "S" Clay Roof Tile, One Piece Roofing 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)
Caribbean "S" Clay Roof Tile	6.589	1.56	0.896

Table 2: Aerodynamic Multipliers - λ (ft³)	
Tile Profile	λ (ft³) Direct Deck Application
Caribbean "S" Clay Roof Tile	0.30

Table 3: Restoring Moments due to Gravity - M_g (ft.-lbf.)					
Tile Profile	3":12"	4":12"	5":12"	6":12"	7":12" or greater
Caribbean "S" Clay Roof Tile	Direct Deck 5.58	Direct Deck 5.47	Direct Deck 5.34	Direct Deck 5.19	Direct Deck 5.03

1 Data noted in Table 3 is for installation with a 3" tile headlap.



Table 6: Attachment Resistance Expressed as a Moment - M_f (ft.-lbf.) for Single Patty Adhesive Set Systems Adhesive Set Systems		
Tile Profile	Tile Application	Attachment Resistance
Caribbean "S" Clay Roof Tile	ICP Adhesives Polyset AH-160 Adhesive Set ¹	59.2 ¹ 54.0 ²
1 Large paddy placement weight 22.2 grams of ICP Adhesives and Sealants, Inc.'s ICP Adhesives Polyset AH-160		
2 Large paddy placement weight 27.5 grams of Tile Bond Roof Adhesive		

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".

CARIBBEAN "S"
MADE IN SPAIN * VEREA *

(LOCATED ON THE BOTTOM SIDE OF TILE)

6. BUILDING PERMIT REQUIREMENTS:

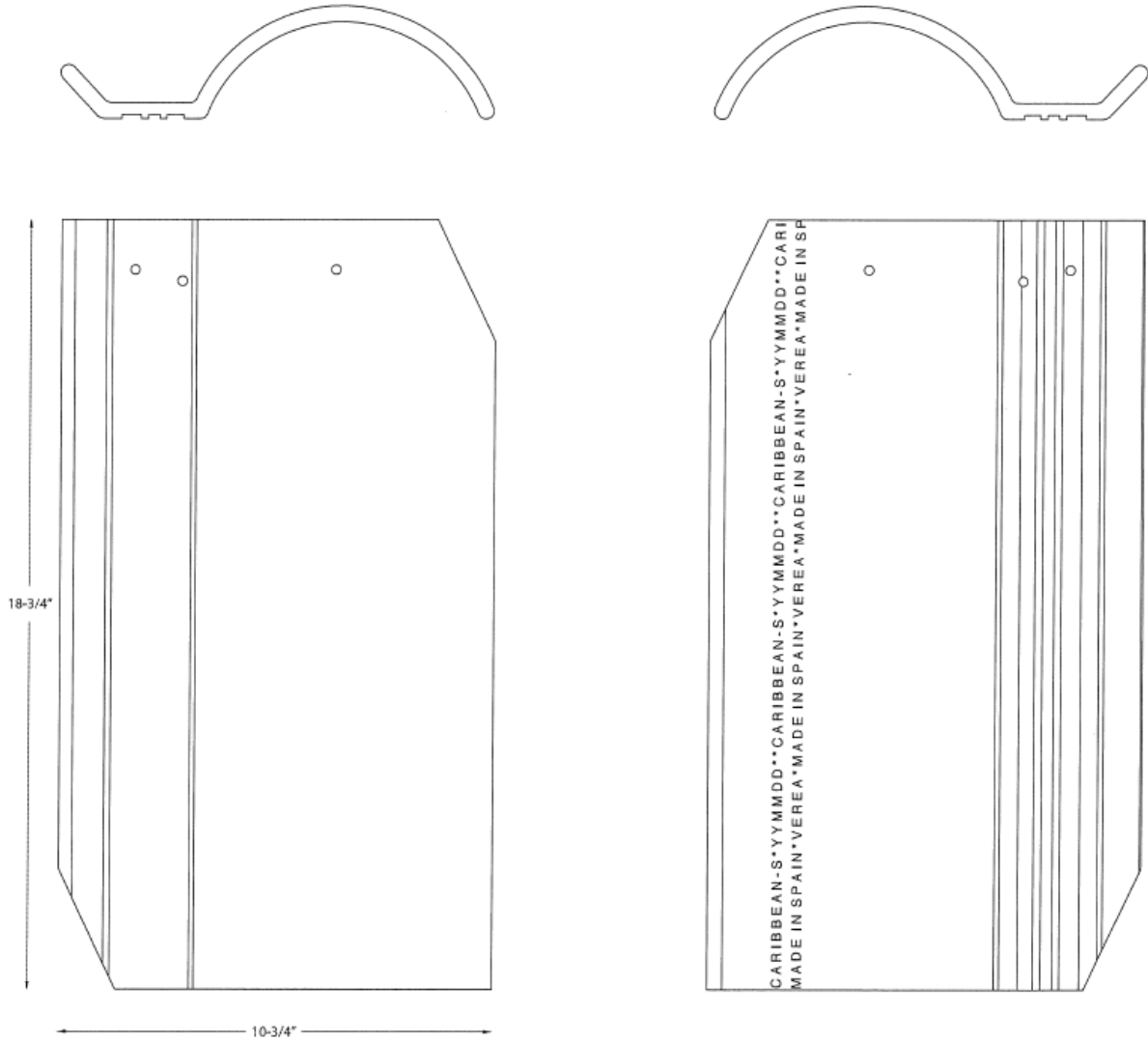
6.1 Application for building permit shall be accompanied by copies of the following:

6.1.1 This Notice of Acceptance.

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



PROFILE DRAWING



Tejas Vereá, S.A. Caribbean “S” Clay Roof Tile

END OF THIS ACCEPTANCE



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**GREEN SUSTAINABLE ATTRIBUTES
(GSA)**

SCOPE: This document is solely for the purpose of verification of Sustainable Attributes of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Section.

G.1 - SOLAR REFLECTANCE AND THERMAL EMMITANCE

<u>Component Name</u>	<u>Initial Reflectance</u>	<u>Aged Reflectance</u>	<u>Initial Emittance</u>	<u>Aged Emittance</u>	<u>Solar Reflectance Index (SRI)</u>
1. Caribbean "S" Clay Roof Tile Grade 2	0.39	Pending	0.83	Pending	41

G.2 - THERMAL RESISTANCE

<u>R-Value</u>	<u>Insulation / Thickness</u>	<u>Assemblies:</u>
2.09	0.46	Caribbean "S" Clay Roof Tile Grade 2

G.3 - LOW VOC COMPONENTS

<u>Component Name</u>	<u>Content</u>	<u>Emission</u>
1. Caribbean "S" Clay Roof Tile Grade 2	0% COV's	0%

G.4 - RECYCLED CONTENT / BIO-BASED MATERIAL / RAPIDLY RENEWABLE MATERIAL

<u>Component Name</u>	<u>% Recycled Content at Manuf.</u>	<u>% Recycled at Disposal</u>	<u>% Bio-based Material</u>	<u>% Renewable Material</u>
1. Caribbean "S" Clay Roof Tile Grade 2	20%			100%

G.6 - ROOF SYSTEM LIFE CYCLE

<u>Years</u>	<u>Assemblies:</u>
150	Caribbean "S" Clay Roof Tile Grade 2

G.7 - REGIONALLY MANUFACTURED COMPONENTS

<u>Component Name</u>	<u>Manufacturing Location</u>
1. Caribbean "S" Clay Roof Tile Grade 2	Quarry-Crucero 22 Frades; quartz extracted in surrounding councils Mesía/Frades (La Coruña)- Spain. Local extraction less than 5 km

