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

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
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NOTICE OF ACCEPTANCE (NOA)

Tejas Verea S.A.
Lanza S/N 15685
Mesia (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: Verea Flat Grade 1

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 renews and revises NOA# 21-0303.01 and consists of pages 1 through 7.
The submitted documentation was reviewed by Alex Tigera.

4/18/25

ROOFING ASSEMBLY APPROVAL

Category: Roofing
Sub Category: Roofing Tiles
Material: Clay

1. SCOPE

This approves a roofing system using **Verea Flat Grade 1** manufactured by **Tejas Verea S.A.** in **La Coruña, Spain** and is distributed by ***Ceramica Verea, USA Corp.***, 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

Manufactured by Applicant	Dimensions	Test Specifications	Product Description
Verea Flat Grade 1	L = 15.65" W = 9.96" Thickness: 0.45"	ASTM C1167 Type III Grade 1	Flat profile clay roof tile. For direct deck, 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 MANUFACTURING LOCATION

2.1.1. Mesia (La Coruña) España

2.2 EVIDENCE SUBMITTED

Test Agency	Test Identifier	Test Name/Report	Date
American Test Lab of South Florida	RT0131.01-14	TAS 101	02/24/14
	RT1108.01-23	ASTM C 1167	11/20/23
Redland Technologies	7161-03 Appendix III	PA 102 & PA 102(A)	Dec. 1991
	7161-03 Appendix II	PA 108 (Nail-On)	Dec. 1991
	Letter	PA 108 (Nail-On)	Aug. 1994
	P0631-01	PA 108 (Mortar Set)	July 1994
	P0402	Withdrawal Resistance Testing of screw vs. smooth shank nails	Sept. 1993
The Center for Applied Engineering, Inc.	25-7094-2	PA 102 (4" Headlap, Nails, Direct Deck, New Construction)	Oct. 1994
	25-7094-8	PA 102 (4" Headlap, Nails, Battens)	Oct. 1994
	25-7094-5	PA 102 (4" Headlap, Nails, Direct Deck, Recover/Reroof)	Oct. 1994
	25-7183-6	PA 102 (2 Quik-Drive Screws, Direct Deck)	Feb. 1995
	25-7183-5	PA 102 (2 Quik-Drive Screws, Battens)	Feb. 1995

2.2 EVIDENCE SUBMITTED

Test Agency	Test Identifier	Test Name/Report	Date
	25-7214-1	PA 102 (1 Quik-Drive Screw, Direct Deck)	March, 1995
	25-7214-5	PA 102 (1 Quik-Drive Screw, Battens)	March, 1995
	Project No. 307025 Test #MDC-77	PA 100	Oct. 1994
Walker Engineering, Inc.	Calculations	Aerodynamic Multiplier	October 2007
	Calculations	Moment of Gravity	August 2007
	Calculations	25-7094	February 1996
	Calculations	25-7496	April 1996
	Calculations	25-7584	December 1996
	Calculations	25-7804b-8	December 1996
	Calculations	25-7804-4 & 5	December 1996
	Calculations	25-7848-6	December 1996
	Calculations	25-7183	March 1995
	Calculations	Aerodynamic Multipliers	April 1999

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 TAS 106 may required, refer to applicable building code.

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 and Neighborhood Compliance Department – Product Control Section 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.

4. INSTALLATION

4.1 Verea Flat Grade 1 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)**
Verea Flat Grade 1	6.4	1.304	0.83

Table 2: Aerodynamic Multipliers - λ (ft^3)		
Tile Profile	**λ (ft^3) Batten Application**	**λ (ft^3) Direct Deck Application**
Verea Flat Grade 1	N/A	0.21

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**
Verea Flat Grade 1	Direct Deck	Direct Deck	Direct Deck	Direct Deck	Direct Deck	Direct Deck
	3.82	3.77	3.71	3.63	3.54	3.44

Table 4: Attachment Resistance Expressed as a Moment - M_f (ft-lbf) for Mechanically Attached Systems				
Tile Profile	**Fastener Type**	**Direct Deck (min 15/32" plywood)**	**Direct Deck (min. 19/32" plywood)**	**Battens**
Verea Flat Grade 1	2-10d Ring Shank Nails	30.9	38.1	17.2
	1-10d Smooth or Screw Shank Nail	7.3	9.8	4.9
	2-10d Smooth or Screw Shank Nails	14.0	18.8	7.4
	1 #8 Screw	30.8	30.8	18.2
	2 #8 Screw	51.7	51.7	24.4
	1-10d Smooth or Screw Shank Nail (Field Clip)	24.3	24.3	24.2
	1-10d Smooth or Screw Shank Nail (Eave Clip)	19.0	19.0	22.1
	2-10d Smooth or Screw Shank Nails (Field Clip)	35.5	35.5	34.8
	2-10d Smooth or Screw Shank Nails (Eave Clip)	31.9	31.9	32.2
	2-10d Ring Shank Nails[1]	50.3	65.5	48.3

1 Installation with a 4" tile headlap and fasteners are located a min. of 2½" from head of tile.

Table 6: Attachment Resistance Expressed as a Moment - M_f (ft-lbf) for Single Patty Adhesive Set Systems		
Tile Profile	**Tile Application**	**Minimum Attachment Resistance**
Verea Flat Grade 1	ICP Adhesives Polyset AH-160	38.71[1]
1 Medium paddy placement weight 24.6 grams (approx. 2" x 10" paddy) of ICP Adhesives Polyset AH-160 Adhesive 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".

verea

LABEL FOR VEREA FLAT GRADE 1
(LOCATED ON THE SIDE OF TILE)

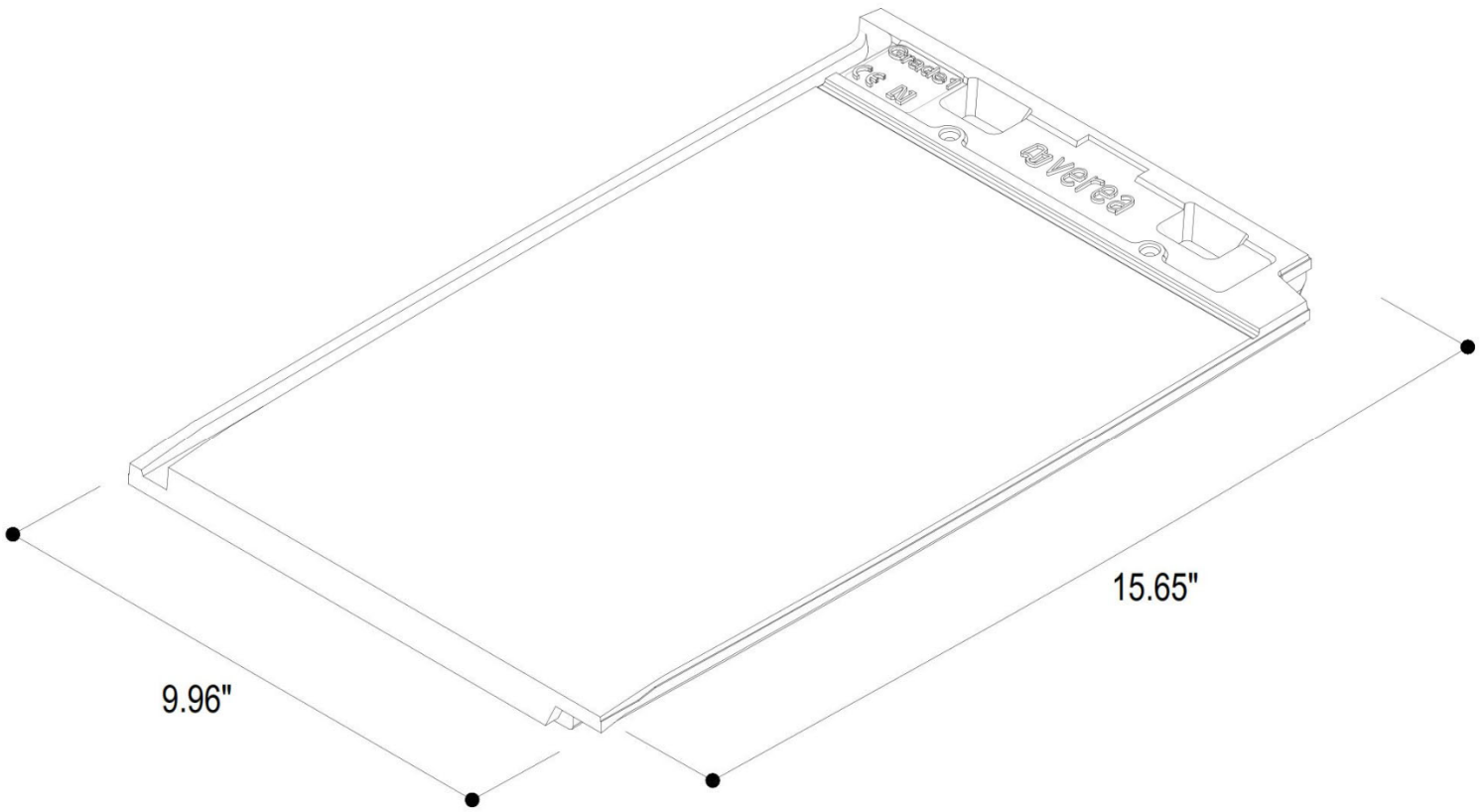
6. BUILDING PERMIT REQUIREMENTS:

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



VEREA FLAT GRADE 1

END OF THIS ACCEPTANCE

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

Component Name	Initial Reflectance	Aged Reflectance	Initial Emmitance	Aged Emmitance	Solar Reflectance Index (SRI)
1. Verea Flat Grade 1	0.39	Pending	0.83	Pending	41

G.2 - THERMAL RESISTANCE

R-Value	Insulation / Thickness	Assemblies:
2.09	0.46	Verea Flat Grade 1

G.3 - LOW VOC COMPONENTS

Component Name	Content	Emission
1. Verea Flat Grade 1	0% COV´s	0%

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

Component Name	% Recycled Content at Manuf.	% Recycled at Disposal	% Bio-based Material	% Renewable Material
1. Verea Flat Grade 1	20%			100%

G.6 - ROOF SYSTEM LIFE CYCLE

Years	Assemblies:
150	Verea Clay Roof Tile Grade 1

G.7 - REGIONALLY MANUFACTURED COMPONENTS

Component Name	Manufacturing Location
1. Verea Flat Grade 1	Quarry-Cruceiro 22 Frades; quartz extracted in surrounding councils Mesía /Frades (La Coruña) – Spain. Local extraction less than 5 km