MIAMI-DADE COUNTY
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)

Westlake Royal Roofing, LLC
7575 Irvine Center Drive, Suite 100
Irvine, CA 92618

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: Saxony 900 Concrete 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# 22-1118.07 and consists of pages 1 through 11.
The submitted documentation was reviewed by Alex Tigera.

03/06/25

MIAMI-DADE COUNTY APPROVED

ROOFING ASSEMBLY APPROVAL

Category: Roofing
Sub-Category: Roofing Tiles
Material: Concrete
Deck Type: Wood

1. SCOPE

This NOA approves a system using **Saxony 900 (Slate, Shake & Split Shake) Concrete Roof Tile**, as manufactured Westlake Royal Roofing LLC in Lake Wales, FL and described this Notice of Acceptance. For locations where the pressure requirements, as determined by applicable Building Code, do not exceed the design pressure values obtained by calculations in compliance with RAS 127 using the values listed in the installation section herein. The attachment calculations shall be done as a moment based system.

2. PRODUCT DESCRIPTION

Manufactured by Applicant	Dimensions	Test Specifications	Product Description
Saxony 900-Slate	Length = 17" Width = 13" thickness = 1-5/32"	TAS 112	Flat/Low profile, interlocking, high-pressure extruded concrete roof tile with two nail holes. For direct deck, batten, mortar set or adhesive set applications.
Saxony 900 - Split Shake	Length = 17" Width = 13" thickness = 1-9/32"	TAS 112	Flat/Low profile, interlocking, high-pressure extruded concrete roof tile with two nail holes. For direct deck, batten, mortar set or adhesive set applications. Top surface produced with 4 different configurations: 1. Complete tile brushed 2. Right half brushed (shown in drawing) 3. Left half brushed 4. No brush
Saxony 900-Shake	Length = 17" Width = 13" thickness = 1-9/32"	TAS 112	Flat/Low profile, interlocking, high-pressure extruded concrete roof tile with two nail holes. For direct deck, batten, mortar set or adhesive set applications.
Trim Pieces	Length: varies Width: varies varying thickness	TAS-112	Accessory trim, boosted Barcelona, concrete roof pieces for use at hips, ridges and rakes.

2.1 PRODUCTS MANUFACTURED BY OTHERS

Product Name	Product Description	Manufacturer (With Current NOA)
APOC® Polyset® RTA-1 (HFO)	Single component polyurethane foam roof tile adhesive.	ICP Construction Inc.
APOC® Polyset® AH-160 (HFC)	Two component polyurethane foam adhesive.	ICP Construction, Inc.
APOC® Polyset® AH-160 (HFO1)	Two component polyurethane foam adhesive.	ICP Construction, Inc.
APOC® Polyset® AH-160 (HFO2)	Two component polyurethane foam adhesive.	ICP Construction, Inc.
TILE BOND™ Roof Tile Adhesive	Single component polyurethane foam roof tile adhesive.	DuPont de Nemours, Inc.
"Tile Tite" Roof Tile Mortar	Premixed, pre-bagged roof tile mortar.	Bermuda Roof Co. Inc.
DAP StormBond® 2 Roof Tile Adhesive	Two component polyurethane foam adhesive.	DAP Global, Inc.
DAP StormBond® Roof Tile Adhesive	One component polyurethane foam adhesive.	DAP Global, Inc.

2.2 MANUFACTURING LOCATION

2.2.1. Lake Wales, FL

2.3 EVIDENCE SUBMITTED:

Test Agency	Test Identifier	Test Name/Report	Date
The Center for Applied Engineering, Inc.	94-084	Static Uplift Testing TAS 101 (Mortar Set)	May 1994
	94-060A	Static Uplift Testing TAS 101 (Adhesive Set)	March, 1994
	25-7183-6	Static Uplift Testing TAS 102 (2 Quik-Drive Screws, Direct Deck)	Feb. 1995
	25-7183-5	Static Uplift Testing TAS 102 (2 Quik-Drive Screws, Battens)	Feb. 1995
	25-7214-1	Static Uplift Testing TAS 102 (1 Quik-Drive Screw, Direct Deck)	March, 1995
	25-7214-5	Static Uplift Testing TAS 102 (1 Quik-Drive Screw, Battens)	March, 1995
	Project No. 307025	Wind Driven Rain	Oct. 1994

	Test #MDC-77	TAS 100	
Redland Technologies	7161-03	Wind Tunnel Testing	Dec. 1991
	Appendix II & III	TAS 108 (Nail-On)	
	Letter Dated Aug. 1, 1994	Wind Tunnel Testing	Aug. 1994
		TAS 108 (Nail-On)	
	P0631-01	Wind Tunnel Testing	July 1994
		TAS 108 (Mortar Set)	
	P0402	Withdrawal Resistance Testing of screw vs. smooth shank nails	Sept. 1993
Atlanta Testing & Engineering, Inc.	R1.894/R2.894/R3.894	Physical Properties TAS 112	Aug. 1994
Celotex Corporation Testing Service	520109-1	Static Uplift Testing	Dec. 1998
	520111-4	TAS 101	
	520191-1	Static Uplift Testing TAS 101	March 1999
Walker Engineering, Inc.	Evaluation Calculations	25-7094	February 1996
	Evaluation Calculations	25-7496	April 1996
	Evaluation Calculations	25-7584/25-7804b-8/25-7804-4 & 5 25-7848-6	December 1996
	Evaluation Calculations	25-7183	March 1995
	Evaluation Calculations	Aerodynamic Multipliers	09/01/16
	Calculations	Two Patty Adhesive Set System	April 1999
	Evaluation Calculations	Restoring Moments Due to Gravity	09/01/16
American Test Lab of South Florida	RT0617.04-16	TAS 112	06/29/16
	RT0209.01-22	TAS 112	02/01/22
	RT0209.04-22	TAS 112	02/17/22
PRI Construction Material Technologies	COPO-002-02-12	TAS 101	10/12/2016
	COPO-002-02-06	TAS 101	10/12/2016
	COPO-002-02-05	TAS 101	10/12/2016
	BORR-022-02-01	TAS 101	02/25/2019
	BORR-022-02-02	TAS 101	02/25/2019
	BORR-022-02-03	TAS 101	02/25/2019
	BORR-022-02-04	TAS 101	02/28/2019
	2002T0003.03	TAS 101	11/06/20
NEMO ETC, LLC	4p-ICP-20-SSLAP-01.A	ASTM D1623	12/15/20
	4c-DPBS-20-LSOTM-01.C.R1	TAS 101	12/17/20
	4c-ICP-21-LSOTM-01.A	TAS 101	01/26/22
	4p-ICP-22-SSLAP-06.A	ASTM D1623	08/29/23
	4c-ICP-23-LSOTM-02.A	TAS 101	11/12/24
	4c-ICP-23-LSOTM-01.A	TAS 101	11/13/24

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, 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.

4. INSTALLATION

4.1 Saxony 900 (Slate, Shake & Split Shake) Concrete Roof Tile and its components shall be installed in strict compliance with 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 (ft)	Width-w (ft)
Saxony 900 Slate, Shake & Split Shake	10.9	1.417	1.08

Table 2: Aerodynamic Multipliers - λ (ft^3)

Tile Profile	λ (ft^3) Batten Application	λ (ft^3) Direct Deck Application
Saxony 900 Slate, Shake & Split Shake	0.291	0.315

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	
Saxony 900 Slate &, Shake &	Direct Deck	Direct Deck	Battens	Direct Deck	Battens	Direct Deck	Battens	Direct Deck	Battens	Direct Deck
Split Shake	7.70	7.62	6.61	7.50	6.48	7.34	6.31	7.16	6.13	6.95

Table 4: Attachment Resistance Expressed as a Moment - M_f (ft-lbf) for Mechanically Fastened Systems				
Tile Profile	**Fastener Type**	**Direct Deck (min 15/32" plywood)**	**Direct Deck (min. 19/32" plywood)**	**Battens**
Saxony 900 Slate, Shake & Split Shake	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

Table 5: Attachment Resistance Expressed as a Moment M_f (ft.-lbf) for Two Patty Adhesive[1] Set Systems			
Tile Profile: Saxony 900, Slate, Shake & Split Shake			
Tile Application	**Paddy weight**	**Adhesive Contact Area**	**Minimum Attachment Resistance**
TILE BOND™ Roof Tile Adhesive – (Interdependent)	12.5 grams each	16 in^2 per paddy	63
TILE BOND™ Roof Tile Adhesive – (Independent)	25 grams each	8 in^2	65
APOC® Polyset® AH-160 (HFC & HFO1)	8 grams each	-	31
APOC® Polyset® AH-160 (HFO2)	12 grams to underlayment	(4" x 4") 16 in^2	55
	14 grams at headlap	(4" x 2") 8 in^2	
APOC® Polyset® RTA-1 (HFO)	12 grams to underlayment	(4" x 3") 12 in^2	41
	10 grams at headlap	(1" x 10") 10 in^2	
DAP StormBond® Roof Tile Adhesive	8 grams each		59
DAP StormBond® 2 Roof Tile Adhesive	8 grams each	-	109
1. See manufacturer component approval for installation requirements.			

Table 6: Attachment Resistance Expressed as a Moment - M_f (ft-lbf) for Single Patty Adhesive[2] Set Systems			
Tile Profile: Saxony 900, Slate, Shake & Split Shake			
Tile Application	**Paddy weight**	**Adhesive Contact Area**	**Minimum Attachment Resistance**
APOC® Polyset® AH-160 (HFC & HFO1)	45 grams each	-	119
APOC® Polyset® AH-160 (HFC & HFO1)	34 grams each	-	115
APOC® Polyset® AH-160 (HFC & HFO1)	24 grams each	-	83
APOC® Polyset® AH-160 (HFC & HFO1)	18 grams each	-	60
DAP StormBond® 2 Roof Tile Adhesive	45 grams each	-	93
DAP StormBond® 2 Roof Tile Adhesive	24 grams each	-	62
2. See manufacturer component approval for installation requirements.			

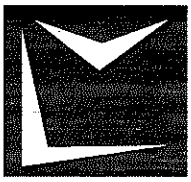
Table 7: Attachment Resistance Expressed as a Moment - M_f (ft-lbf) for Mortar Set Systems		
Tile Profile	**Tile Application**	**Attachment Resistance**
Saxony 900 Slate &, Shake & Split Shake	Mortar Set[3]	44
3. Bermuda Roof Co. Inc. Tile-Tite Roof Tile Mortar.		

Table 8: Attachment Resistance Expressed as a Moment Mf (ft.-lbf) for Hybrid Attachment (Adhesive[4] and Mechanical)			
Tile Profile: Saxony 900, Slate, Shake & Split Shake			
Tile Application	**Paddy weight**	**Adhesive Contact Area**	**Minimum Attachment Resistance**
Two (2) #8 Screws and APOC® Polyset® RTA-1 (HFO)	11 grams at headlap	-	39
4 See manufacturer component approval for installation requirements.			

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".

OR



LABEL FOR SAXONY 900 TILES (LAKE WALES FL PLANT)
LOCATED UNDERNEATH TILE

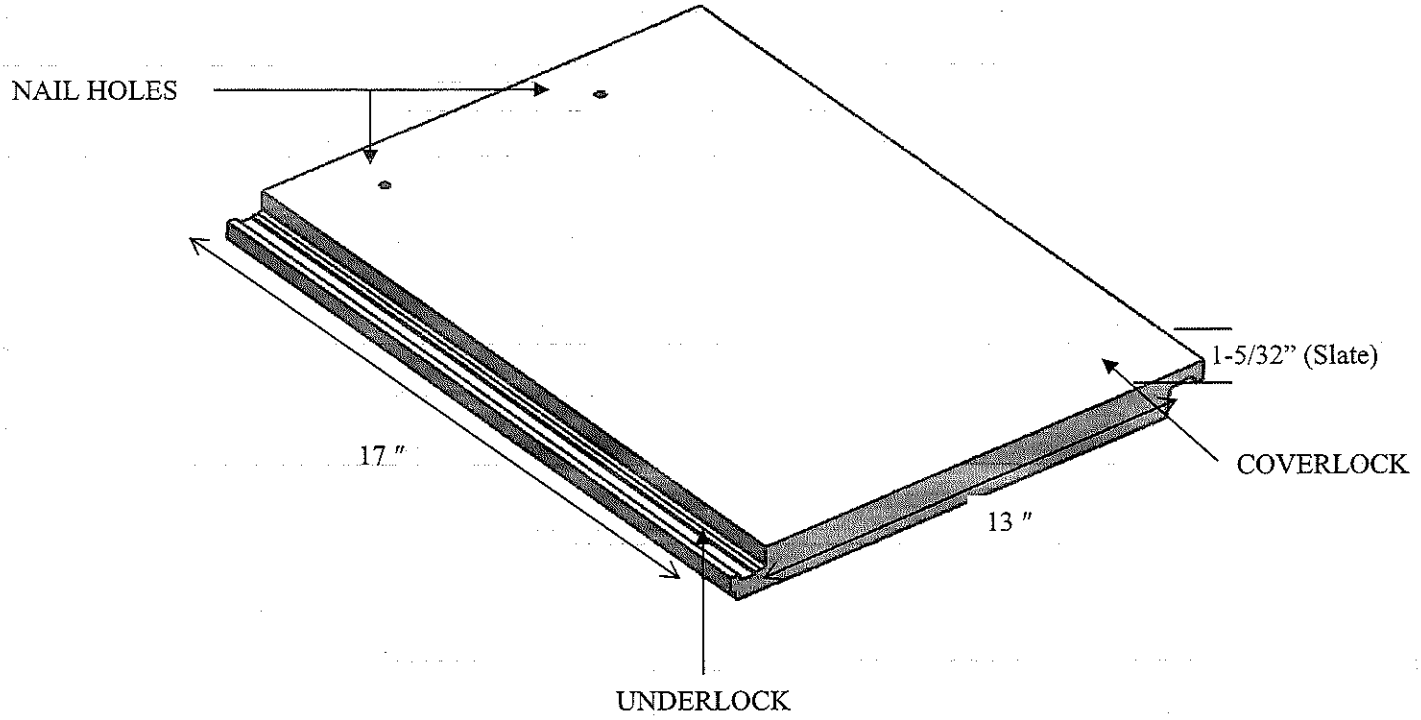
6. BUILDING PERMIT REQUIREMENTS

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

6.1.1 This Notice of Acceptance.

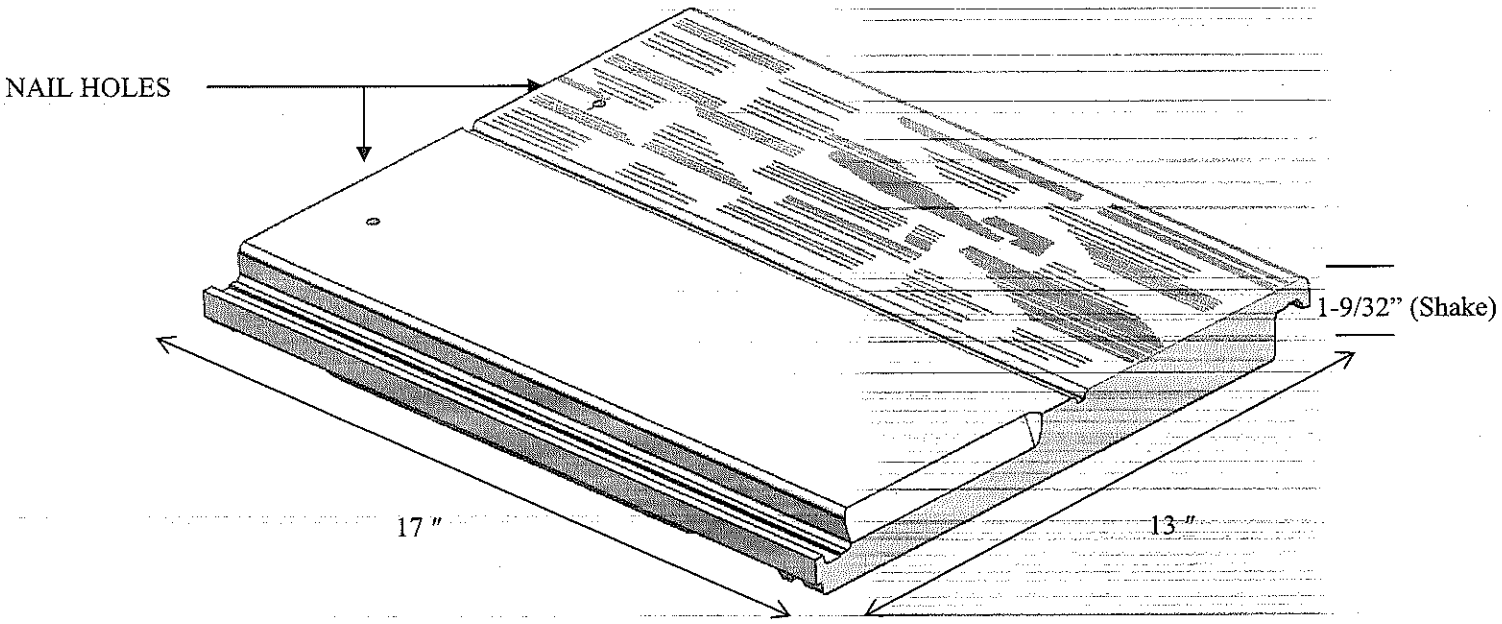
6.1.2 Any other documents required by the Building Official or applicable building code in order to properly evaluate the installation of this system.

PROFILE DRAWINGS



SAXONY 900 - SLATE

PROFILE DRAWINGS

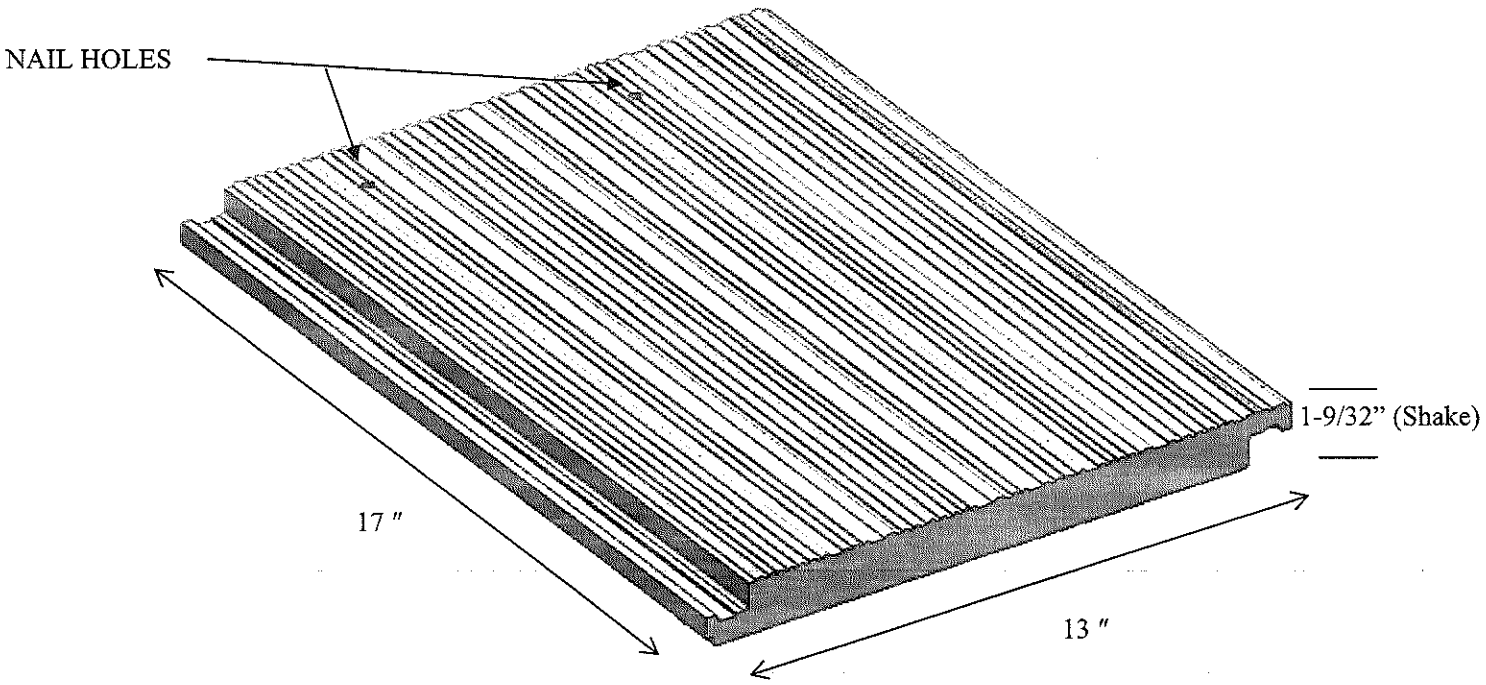


Note: Available Top Surface Finishes

1. **Complete tile brushed**
2. **Right half brushed (shown in drawing)**
3. **Left half brushed**
4. **No brush**

SAXONY 900 - SPLIT SHAKE

PROFILE DRAWINGS



SAXONY 900- SHAKE

END OF THIS ACCEPTANCE