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14FLORIDA DEPARTMENT OF  
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USER: Public User[Product Approval Menu](#) > [Product or Application Search](#) > [Application List](#) > **Application Detail**

FL # FL10528  
Application Type New  
Code Version 2007  
Application Status Approved  
Comments  
Archived ☐

Product Manufacturer  
Address/Phone/Email

UNION CORRUGATING COMPANY  
701 S. KING ST.  
FAYETTEVILLE, NC 28301  
(910) 483-0479 Ext 248  
jthornton@unioncorrugating.com

Authorized Signature

Jason Thornton  
jthornton@unioncorrugating.com

Technical Representative  
Address/Phone/Email

Quality Assurance Representative  
Address/Phone/Email

Category  
Subcategory

Roofing  
Metal Roofing

Compliance Method

Evaluation Report from a Florida Registered Architect or a Licensed  
Florida Professional Engineer  
☒ Evaluation Report - Hardcopy Received

Florida Engineer or Architect Name who  
developed the Evaluation Report  
Florida License  
Quality Assurance Entity  
Quality Assurance Contract Expiration Date  
Validated By

Bala Sockalingam  
PE-62240  
Keystone Certifications, Inc.  
09/17/2017  
Yoosef Lavi, P.E.  
☒ Validation Checklist - Hardcopy Received

Certificate of Independence

[FL10528 R0 COI Cert Independence.pdf](#)

Referenced Standard and Year (of Standard)

**Standard**  
UL 580

**Year**  
1994

Equivalence of Product Standards  
Certified By

Sections from the Code

Product Approval Method

Method 1 Option D

Date Submitted

04/02/2008

Date Validated

04/04/2008

Date Pending FBC Approval

04/13/2008

Date Approved

05/06/2008

Summary of Products		
FL #	Model, Number or Name	Description
10528.1	MasterRib Roof Panel	29 Ga., 36" wide, through fastened panel over shingles and plywood deck.
<b>Limits of Use</b> <b>Approved for use in HVHZ:</b> No <b>Approved for use outside HVHZ:</b> Yes <b>Impact Resistant:</b> N/A <b>Design Pressure:</b> +N/A/-113.1 <b>Other:</b> -45.0 psf @ fastener spacing of 24" OC and -113.1 psf @ fastener spacing of 12" OC in 15/32" thick plywood.		<b>Installation Instructions</b> <a href="#">FL10528_R0_II_MasterRibInstallation.pdf</a> Verified By: Bala Sockalingam PE 62249 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL10528_R0_AE_EvaluationReportC1578_1.pdf</a> Created by Independent Third Party: Yes

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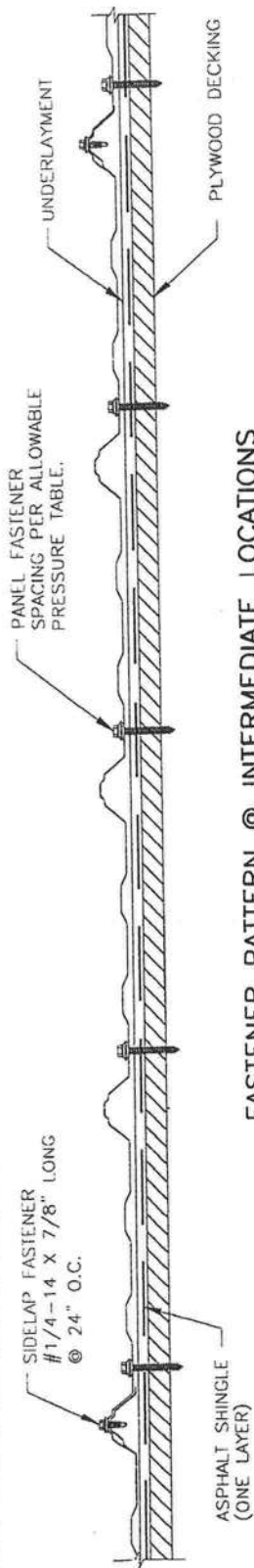
2555 Shumard Oak Boulevard  
 Tallahassee, Florida 32399-2100  
 (850) 487-1824, Fax (850) 414-8436

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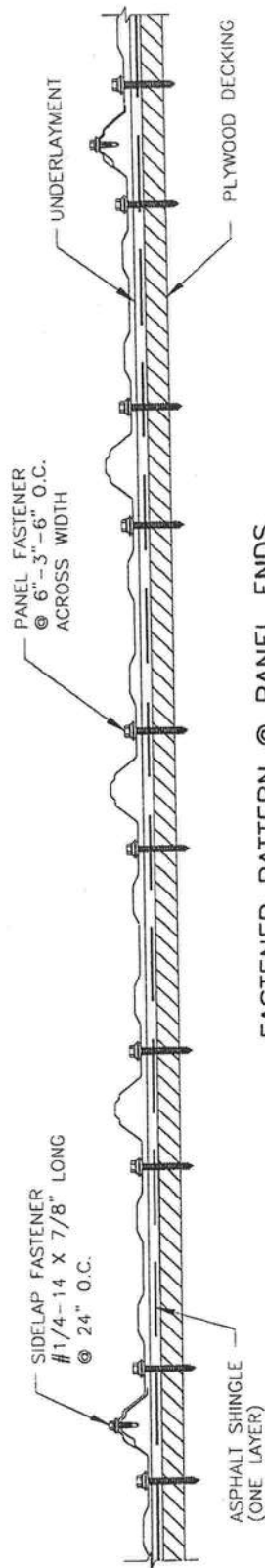
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Product Approval Accepts:





**FASTENER PATTERN @ INTERMEDIATE LOCATIONS**



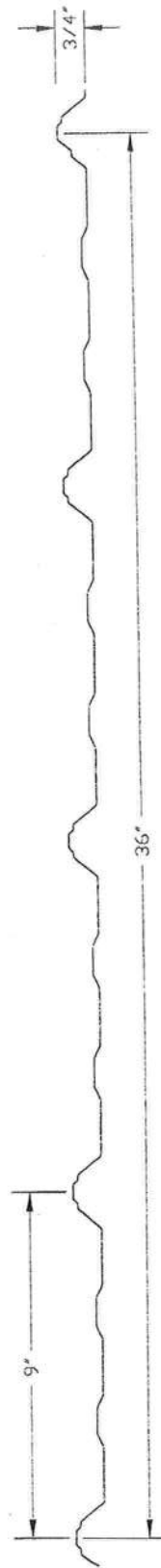
**FASTENER PATTERN @ PANEL ENDS**

**GENERAL NOTES:**

1. ARCHITECTURAL ROOF PANEL HAS BEEN DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE (FBC).
2. THE ROOF PANELS SHALL BE INSTALLED OVER SHEATHING & STRUCTURE AS SPECIFIED ON THIS DRAWING.
3. REQUIRED DESIGN WIND LOADS SHALL BE DETERMINED FOR EACH PROJECT. THIS PANEL SYSTEM MAY NOT BE INSTALLED WHEN THE REQUIRED DESIGN WIND LOADS ARE GREATER THAN THE ALLOWABLE WIND LOADS SPECIFIED ON THIS DRAWING.
4. ALL FASTENERS MUST BE IN ACCORDANCE WITH THIS DRAWING & THE FLORIDA BUILDING CODE. IF A DIFFERENCE OCCURS BETWEEN THE MINIMUM REQUIREMENTS OF THIS DRAWING & THE CODE, THE CODE SHALL CONTROL.
5. RAFTERS/JOISTS/TRUSSES MUST BE DESIGNED TO WITHSTAND WIND LOADS AS REQUIRED FOR EACH APPLICATION AND ARE THE RESPONSIBILITY OF OTHERS.

**ALLOWABLE UPLIFT PRESSURE**

FASTENER SPACING (IN)	PRESSURE (PSF)
24	45.0
12	113.1



**MASTERRIB PANEL PROFILE**

29 Gauge, Minimum Yield = 80 KSI

UNION CORRUGATING  
COMPANY  
701 SOUTH KING ST  
FAYETTEVILLE, NC 28302  
(910) 482-3195 FAX (910) 482-1891

DATE: 4-1-2008  
1 of 1

MasterRib Panel

REVISIONS

REV

DATE

DATE

4-1-2008

NAME

Bob Sockington

DESIGN

Bob Sockington

SCALE

NONE

Manufacturer: Union Corrugating Company

Product Name: MasterRib Metal Roof Panel

Panel Description: 36" wide coverage with 3/4" high ribs at 9" O.C.

Materials: Min 29 ga. with galvanized coated steel (ASTM A653) or Galvalume coated steel (ASTM A792) or painted steel (ASTM A755) in Grade 80 ( $F_y = 80$  ksi). Finished with optional Silicone Polyester coating.

Underlayment: Minimum underlayment as per FBC 2007 Section 1507.4.5

Existing substrate: Asphalt shingles (One layer)

Deck Description: 15/32" CDX Plywood

Deck Attachment: 8d x 2" long ring shank nails @ 6" OC in the plywood field and edges

Slope: 2:12 or greater in accordance with FBC 2007 Section 1507.4.2

Design Uplift Pressure:  
(Factor of Safety = 2) 45.0 psf @ fastener spacing of 24" OC  
113.1 psf @ fastener spacing of 12" OC

Panel Attachment:  
At panel ends #9-15 x 1-1/2" long SDS @ 6"-3"-6" OC across panel width  
At intermediate #9-15 x 1-1/2" long SDS @ 9" OC across panel width

Sidelap Attachment: #1/4-14 - 7/8" long SDS @ 24" OC

Test Standards: Roof assembly tested in accordance with UL-580-94 (Rev 98) 'Uplift Resistance of Roof Assemblies' & UL 1897-98 'Uplift Tests for Roof Covering Systems'.

Code Compliance: The product described herein has demonstrated compliance with FBC 2007 Section 1507.4

Product Limitations: Design wind loads shall be determined for each project in accordance with FBC 2007 Section 1609. The maximum fastener spacing listed herein shall not be exceeded. This product is not approved for use in the High Velocity Hurricane Zone.

Supporting Documents: UL-580 Test Reports  
Farabaugh Engineering and Testing Inc  
Project No. T128-08, Reporting Date 2/29/08

**EVALUATION REPORT OF  
UNION CORRUGATING COMPANY  
'MASTERRIB ROOF PANEL'**


**FLORIDA PRODUCT APPROVAL  
#FL 10528.1  
ROOFING  
METAL ROOFING**

**Prepared For:  
Union Corrugating Company  
P. O. Box 229  
Fayetteville, NC 28302  
Telephone: (910) 483-0479  
Fax: (910) 483-8897**

**Prepared By:  
Bala Sockalingam, Ph.D., P.E.  
Florida Professional Engineer #62240  
6717 South Yale Avenue, Suite 200  
Tulsa, OK 74136  
Telephone: (918) 492-5992  
FAX: (918) 493-3568**

**This report consists of  
Evaluation Report (2 Pages including cover)  
Installation Details (1 Page)**

**Report No. C1578-1  
Date: 4.2.08**

  
4.2.08



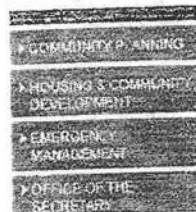
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## Product Approval

USER: Public User

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**FL #** FL12512  
**Application Type** New  
**Code Version** 2007  
**Application Status** Approved  
**Comments**  
**Archived** ☐

**Product Manufacturer**  
**Address/Phone/Email**

AlphaProTech Engineered Products, Inc.  
 301 S. Blanchard St.  
 Valdosta, GA 31601  
 (229) 242-1931  
 bhayden@alphaprotech.com

**Authorized Signature**

Bruce Hayden  
 bhayden@alphaprotech.com

**Technical Representative**  
**Address/Phone/Email**

Bruce Hayden  
 301 S. Blanchard St.  
 Valdosta, GA 31601  
 (229) 242-1931  
 bhayden@alphaprotech.com

**Quality Assurance Representative**  
**Address/Phone/Email**

Tasha Ferguson  
 301 S. Blanchard St  
 Valdosta, GA 31601  
 (229) 242-1931  
 tferguson@alphaprotech.com

**Category**  
**Subcategory**

Roofing  
 Underlayments

**Compliance Method**

Certification Mark or Listing

**Certification Agency**  
**Validated By**

Miami-Dade BCCO - CER  
 Miami-Dade BCCO - VAL

**Referenced Standard and Year (of Standard)**

**Standard**  
 ASTM D226

**Year**  
 1997

**Equivalence of Product Standards**  
**Certified By**

**Product Approval Method**

Method 1 Option A

Date Submitted	04/29/2009
Date Validated	04/30/2009
Date Pending FBC Approval	05/05/2009
Date Approved	06/09/2009

Summary of Products		
FL #	Model, Number or Name	Description
12512.1	REX SynFelt Synthetic Roof Underlayment	Synthetic Roof Underlayment
<b>Limits of Use</b> Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: N/A Other:		<b>Certification Agency Certificate</b> <a href="#">FL12512_R0_C_CAC_Miami_Dade_NOA.pdf</a> <b>Quality Assurance Contract Expiration Date</b> 10/04/2010 <b>Installation Instructions</b> <a href="#">FL12512_R0_II_Miami_Dade_NOA.pdf</a> Verified By: Miami-Dade BCCO - CER Created by Independent Third Party: <b>Evaluation Reports</b> <a href="#">FL12512_R0_AE_Miami_Dade_NOA.pdf</a> Created by Independent Third Party: Yes

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Department of Community Affairs  
Florida Building Code Online  
Codes and Standards  
2555 Shumard Oak Boulevard  
Tallahassee, Florida 32399-2100  
(850) 487-1824, Fax (850) 414-8436

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Product Approval Accepts:







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)**

Alpha ProTech Engineered Products, Inc.  
301 South Blanchard Street  
Valdosta, GA 31601

### **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 and the High Velocity Hurricane Zone of the Florida Building Code.

### **DESCRIPTION: REX SYNFELT**

**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 NOA No. 07-0316.04 and consists of pages 1 through 3.  
The submitted documentation was reviewed by Jorge L. Acebo



NOA No.: 10-0629.01  
Expiration Date: 10/04/15  
Approval Date: 09/29/10  
Page 1 of 3



## ROOFING COMPONENT APPROVAL

Category: Roofing  
Sub-Category: Underlayment  
Material: Polypropylene

### SCOPE:

This acceptance is for REX SYNFEELT Roof Underlayment as manufactured by Alpha ProTech Engineered Products, as described in this Notice of Acceptance, for use with approved prepared roof assemblies.

### PRODUCT DESCRIPTION:

<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>
REX SYNFEELT	48" x 250' rolls	ASTM D 226 Type II	Woven polypropylene coated with a layer of UV stabilized polypropylene on both sides.

### MANUFACTURING LOCATIONS:

1. Valdosta, GA

### EVIDENCE SUBMITTED:

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Test Name/Report</u>	<u>Date</u>
PRI Asphalt Technologies	AEP-001-02-01	ASTM D 226 Type II	01/25/05
Underwriters Laboratories Inc.	R21906	UL 790	01/25/05

### LIMITATIONS:

1. Fire classification is not part of this acceptance, refer to a current Approved Roofing Materials Directory for fire ratings of this product
2. This acceptance is for prepared roofing applications. Minimum deck requirements shall be in compliance with applicable building code.
3. REX SYNFEELT shall be applied to a smooth, clean and dry surface with deck free of irregularities. All nails in the deck shall be carefully checked for protruding heads. Re-fasten any loose decking panels. Sweep the deck thoroughly to remove any dust and debris prior to application.
4. REX SYNFEELT shall not be hot mopped, refer to manufacturer's published literature for product compatibility.
5. REX SYNFEELT shall not be left exposed as a temporary roof for longer than 30 days of application.
6. REX SYNFEELT shall not be applied over an existing roof membrane as a recover system.



NOA No.: 10-0629.01  
Expiration Date: 10/04/15  
Approval Date: 09/29/10  
Page 2 of 3

## **INSTALLATION:**

1. REX SYNFEELT shall be installed in strict compliance with applicable Building Code.
2. REX SYNFEELT shall be installed with a minimum 4-inch head lap in a shingle layer fashion and be fastened as specified in Florida Building Code, Building volume 1518.2
3. REX SYNFEELT is a component used in roof assemblies. Roof assemblies are approved under specific assembly Notice of Acceptance.
4. REX SYNFEELT may be used with Asphalt shingles, Wood shakes and shingles, Non-structural metal roofing, and quarry slate. REX SYNFEELT shall not be used as roof tile underlayment.
5. REX SYNFEELT may be used with any approved roof covering Notice of Acceptance listing REX SYNFEELT as a component part of an assembly in the Notice of Acceptance. If REX SYNFEELT is not listed, a request may be made to the Authority Having Jurisdiction (AHJ) or the Miami-Dade County Product Control Department for approval provided that appropriate documentation is provided to detail compatibility of the products, wind uplift resistance, and fire testing results.
6. For fire classification of specific roof assemblies using REX SYNFEELT refer to a current Approved Roofing Materials Directory for fire ratings of this product.

## **LABELING:**

All membranes or packaging shall bear the imprint or identifiable marking of the manufacturer's name or logo and the following statement: "Miami-Dade County Product Control Approved" or the Miami-Dade County Product Control Seal as shown below.



## **BUILDING PERMIT REQUIREMENTS:**

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

1. This Notice of Acceptance.
2. Any other documents required by the Building Official or applicable building code in order to properly evaluate the installation of this material.

**END OF THIS ACCEPTANCE**



NOA No.: 10-0629.01  
Expiration Date: 10/04/15  
Approval Date: 09/29/10  
Page 3 of 3