MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786)315-2590 F (786) 315-2599
www.miamidade.gov/economy

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

NOTICE OF ACCEPTANCE (NOA)

Tremco CPG, Inc.
3735 Green Road
Beachwood, OH 44122

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: TremPly TPO Single Ply Roofing Systems over Cementitious Wood Fiber Decks

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-No. 20-0701.05 and consists of pages 1 through 8.
The submitted documentation was reviewed by Alex Tigera.

ROOFING SYSTEM APPROVAL

Category:	Roofing
Sub-Category:	Single Ply Roofing
Material:	TPO
Deck Type:	Cementitious Wood Fiber
Maximum Design Pressure:	–375.00 psf.

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

TABLE 1

Product Name	Dimensions	Test Specification	Product Description
TremPly TPO	Various	ASTM D6878 TAS 131	Thermoplastic olefin reinforced single-ply membrane.
TremPly Max TPO	Various	ASTM D6878	Thermoplastic olefin reinforced single-ply membrane designed for advanced protection against heat aging and UV degradation.
TremPly TPO Detailing Membrane	24" x 50'	Proprietary	Unreinforced flashing material manufactured from Tremco CPG TPO.
TremPly Max TPO Detailing Membrane	24" x 50'	Proprietary	Unreinforced flashing material manufactured from Tremco CPG TPO designed for advanced protection against heat aging and UV degradation.
TremPly TPO Flashing Strip	Various	Proprietary	Reinforced flashing membrane manufactured from Tremco CPG TPO.
TremPly TPO Split Pipe Boot	1”- 2” 3” - 5” 6” - 8”	Proprietary	Reinforced Tremco CPG TPO membrane split to accommodate most common pipes and conduits.
TremPly Max TPO Split Pipe Boot	1”- 2” 3” - 5” 6” - 8”	Proprietary	Reinforced Tremco CPG TPO designed for advanced protection against heat aging and UV degradation split to accommodate most common pipes and conduits.
TremPly TPO Square Tube Wrap	4" x 4" 4" x 6" 6" x 6"	Proprietary	Reinforced Tremco CPG TPO with split design overlap to be wrapped around square or rectangular tubing.
TremPly Max TPO Square Tube Wrap	4" x 4" 4" x 6" 6" x 6"	Proprietary	Reinforced Tremco CPG TPO designed for advanced protection against heat aging and UV degradation with split design overlap to be wrapped around square or rectangular tubing.

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

TABLE 1

Product Name	Dimensions	Test Specification	Product Description
TremPly TPO Corner Curb Wrap	Various	Proprietary	Corners fabricated from reinforced Tremco CPG TPO.
TremPly Max TPO Corner Curb Wrap	Various	Proprietary	Corners fabricated from reinforced Tremco CPG TPO designed for advanced protection against heat aging and UV degradation.
TremPly TPO T-Joint CP	100 patches per box	Proprietary	T-Joint patch manufactured from unreinforced Tremco CPG TPO.
TremPly TPO Walkway Rolls	Rolls 1/8” x 30” x 50’	Proprietary	Standard duty TPO walkway rolls.
TremPly TPO Universal Corners	Various	Proprietary	Universal corners manufactured from Tremco CPG TPO that are heat seamable and designed to accommodate both inside and outside corners of base and curb flashings.
TremPly TPO Vent Boot	1" - 6" o.d. 6 pcs. Crtn.	Proprietary	Vent pipe boot molded from Tremco CPG TPO and supplied with stainless steel clamping rings.
TremPly TPO Fluted Corner	8” diameter nominal .05” non-reinforced	Proprietary	Flashing for outside corners of base and curb flashing manufactured from non-reinforced Tremco CPG TPO.
TremPly TPO Seam Cleaner	1 gallon	Proprietary	Solvent-based seam cleaner.
TremPly TPO WB Bonding Adhesive	5 gallons	Proprietary	Water-based bonding adhesive for use with smooth TPO, fleece backed TPO and fleece backed PVC membranes.
TremPly Bonding Adhesive	5 gallons	Proprietary	Solvent based adhesive for fully adhered TPO systems and membrane flashing.

APPROVED INSULATIONS:

TABLE 2

Product Name	Product Description	Manufacturer (With Current NOA)
ISO 95+ GL	Polyisocyanurate foam insulation	Firestone Building Products Company, LLC
ACFoam-II	Polyisocyanurate foam insulation	Atlas Roofing Corporation

APPROVED FASTENERS:

TABLE 3

Fastener Number	Product Name	Product Description	Dimensions	Manufacturer (With Current NOA)
1.	N/A	N/A	N/A	N/A

EVIDENCE SUBMITTED:

Test Agency/Identifier	Report	Name	Date
UL LLC	03CA38009	UL 790	01/21/04
	08CA37926	UL 790	09/23/09
	08CA49140	UL 790	09/23/09
	R10689	UL 790	03/14/13
	R1306	UL 790	05/22/13
Factory Mutual Research Corp.	3013788	FM 4470	01/10/03
	3020588	FM 4470	03/24/04
	3031350	FM 4470	09/27/07
	3036141	FM 4470	08/10/09
	3042905	FM 4470	01/10/12
	3041769	FM 4470	09/27/12
Exterior Research & Design, LLC	18029.12.02-1	TAS 131	12/16/02
	01881.11.03-2	TAS 114	11/26/03
Atlantic &Caribbean Roof Consulting, LLC	11-016	TAS -114-95	04/07/11
	11-017		04/07/11
PRI Construction Technologies Materials LLC	GAF-122-02-01	TAS 139	05/09/06
	GAF-289-02-01	ASTM D6878 TAS 131	09/07/11
	GAF-306-02-01	ASTM E96	08/23/11
	GAF-369-02-01	ASTM C1289	10/23/12
	GAF-421-02-01	ASTM D6878	10/22/13
	GAF-424-02-01	ASTM D6878/TAS 131	11/11/13
	GAF-464-02-01	ASTM C1289	02/06/14
	GAF-499-02-01	ASTM D6083	03/12/14
	GAF-508-02-01	Various	03/12/14
	GAF-584-02-01	ASTM D6878	12/07/15
	GAF-585-02-01	ASTM D6878	12/07/15
	GAF-586-02-01	ASTM D6878	12/07/15

APPROVED ASSEMBLIES:

Membrane Type: TPO

Deck Type 5I: Cementitious Wood Fiber Deck, Insulated

Deck Description: Cementitious Wood Fiber Deck (Tectum)

System Type A(1): Membrane adhered to adhered insulation

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers each of the following insulations.

Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft^2
ISO 95+ GL, ACFoam-II Minimum 1" thick	**N/A**	**N/A**

Note: Insulation layers shall be adhered to the deck using Olybond 500® or Olybond 500® Green applied in 1" wide beads spaced 12" o.c. Insulation panels listed are minimum sizes and dimensions. Please refer to Roofing Application Standard RAS 117 for insulation attachment requirements.

Membrane: One ply of TremPly TPO or TremPly Max TPO fully adhered to the insulation with TremPly Bonding Adhesive applied at a total rate of 1.67 gal. /sq. Apply half to the insulation and half to the underside of the membrane, roll with a weighted roller. Apply a minimum of 1½" wide heat weld in the side lap of the sheets.

Maximum Design Pressure: -375 psf. (See General limitation #9)

Membrane Type: TPO

Deck Type 5I: Cementitious Wood Fiber Deck, Insulated

Deck Description: Cementitious Wood Fiber Deck (Tectum)

System Type A(2): Membrane adhered to adhered insulation

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers each of the following insulations.

Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft^2
ACFoam-II Minimum 1" thick	**N/A**	**N/A**

Note: Insulation layers shall be adhered to the deck using Olybond 500® or Olybond 500® Green applied in 1" wide beads spaced 12" o.c. Insulation panels listed are minimum sizes and dimensions. Please refer to Roofing Application Standard RAS 117 for insulation attachment requirements.

Membrane: One ply of TremPly TPO or TremPly Max TPO adhered to the insulation with TremPly TPO WB Bonding Adhesive applied at a total rate of 0.84 gal./sq. half applied to the insulation and half applied to the underside of the membrane. Allow it to become tacky to the touch before applying the roof cover to the substrate. Roll with a weighted roller. Apply a minimum of 1½" wide heat weld in the side lap of the sheets.

Maximum Design Pressure: -187.5 psf. (See General limitation #9)

GENERAL 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. Insulation may be installed in multiple layers. The first layer shall be attached in compliance with Product Control Approval guidelines. All other layers shall be adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq., or mechanically attached using the fastening pattern of the top layer
3. All standard panel sizes are acceptable for mechanical attachment. When applied in approved asphalt, panel size shall be 4' x 4' maximum.
4. An overlay and/or recovery board insulation panel is required on all applications over closed cell foam insulations when the base sheet is fully mopped. If no recovery board is used the base sheet shall be applied using spot mopping with approved asphalt, 12" diameter circles, 24" o.c.; or strip mopped 8" ribbons in three rows, one at each side lap and one down the center of the sheet allowing a continuous area of ventilation. Encircling of the strips is not acceptable. A 6" break shall be placed every 12' in each ribbon to allow cross ventilation. Asphalt application of either system shall be at a minimum rate of 12 lbs./sq.
   Note: Spot attached systems shall be limited to a maximum design pressure of -45 psf.
5. Fastener spacing for insulation attachment is based on a Minimum Characteristic Force (F') value of 275 lbf., as tested in compliance with Testing Application Standard TAS 105. If the fastener value, as field-tested, are below 275 lbf. insulation attachment shall not be acceptable.
6. Fastener spacing for mechanical attachment of anchor/base sheet or membrane attachment is based on a minimum fastener resistance value in conjunction with the maximum design value listed within a specific system. Should the fastener resistance be less than that required, as determined by the Building Official, a revised fastener spacing, prepared, signed and sealed by a Florida Registered Engineer, Architect, or Registered Roof Consultant may be submitted. Said revised fastener spacing shall utilize the withdrawal resistance value taken from Testing Application Standards TAS 105 and calculations in compliance with Roofing Application Standard RAS 117.
7. Perimeter and corner areas shall comply with the enhanced uplift pressure requirements of these areas. Fastener densities shall be increased for both insulation and base sheet as calculated in compliance with Roofing Application Standard RAS 117 and/or RAS 137. Calculations prepared, signed and sealed by a Florida registered Professional Engineer, Registered Architect, or Registered Roof Consultant **(When this limitation is specifically referred within this NOA, General Limitation #9 will not be applicable.)**
8. All attachment and sizing of perimeter nailers, metal profile, and/or flashing termination designs shall conform to Roofing Application Standard RAS 111 and applicable wind load requirements.
9. The maximum designed pressure limitation listed shall be applicable to all roof pressure zones (i.e. field, perimeters, and corners). Neither rational analysis, nor extrapolation shall be permitted for enhanced fastening at enhanced pressure zones (i.e. perimeters, extended corners and corners). **(When this limitation is specifically referred within this NOA, General Limitation #7 will not be applicable.)**
10. All products listed herein shall have a quality assurance audit in accordance with the Florida Building Code and Rule 61G20-3 of the Florida Administrative Code.

END OF THIS ACCEPTANCE