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)

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: Tremco CPG Built-Up-Roof Systems over Lightweight Concrete 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. 22-0119.04 and consists of pages 1 through 7.
The submitted documentation was reviewed by Alex Tigera.

ROOFING SYSTEM APPROVAL

Category: Roofing
Sub-Category: Built Up Roofing
Deck Type: Lightweight Insulating Concrete
Material: Fiberglass
Maximum Design Pressure: –75.00 psf.

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

TABLE 1

Product	Dimensions	Test Specification	Product Description
BURmastic Adhesive	5 or 55 gallon	Proprietary	Cold applied ply sheet and surfacing adhesive.
BURmastic Adhesive SF	5 or 55 gallon	Proprietary	Cold applied ply sheet and surfacing adhesive.
BURmastic Composite Ply	36" x 66.6'	ASTM D 4601 Type II	Type II asphalt impregnated glass felt for use in conventional and modified bitumen built-up roofing.
BURmastic Glass Ply	36" x 72'	ASTM D 4601 Type II	Asphalt impregnated polyester/fiberglass/polyester composite for use in conventional and modified bitumen built-up roofing.
BURmastic Glass Ply 28 lb	36" x 108'	ASTM D 4601 Type II	Asphalt coated, fiberglass reinforced base/ply sheet.
One Coat Aluminum	5 gallon	ASTM D 2824, Type III	Fiber Aluminum pigmented roof coating.
ICE Coating	5 and 55 gallons	Proprietary	High solids, water-based, elastomeric coating.
POWERply Modified Hot Melt Adhesive	60 lb. Keg	Proprietary	Polymer modified hot melt adhesive systems.
THERMastic Adhesive	60 lb.	Proprietary	All purpose roof cement.
THERMglass Type IV	3’ x 180’	ASTM D 2178 Type IV	Type IV asphalt impregnated glass felt for use in conventional and modified bitumen built-up roof systems.
THERMglass VI	3’ x 180’	ASTM D 2178 Type VI	Type VI asphalt impregnated glass felt for use in conventional and modified bitumen built-up roof systems.
TREMprime WB primer	5 gallon	Proprietary	Water based roofing primer.

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

TABLE 1

Product	Dimensions	Test Specification	Product Description
Rock-It Adhesive	5 or 50 gallon containers	Proprietary	A white, highly reflective, low volatile surfacing adhesive
Rock-It WB Adhesive	5 or 50 gallon containers	Proprietary	A water based, white, highly reflective, low volatile surfacing adhesive
BURmastic Composite Ply Premium	3' X 72' rolls	ASTM D 4601-98 Type II	A polyester/glass/polyester trilaminate reinforcement coated with waterproofing asphalt.
POWERply Heavy Duty Base	3' X 36'	ASTM D 6163 Type III Grade S	A smooth surfaced high strength modified bitumen base ply sheet constructed with a non woven fiberglass mat/fiberglass scrim bilaminate reinforcement coated with an asphalt modified with an SBS elastomer.

APPROVED INSULATIONS:

TABLE 2

Product Name	Product Description	Manufacturer (With Current NOA)
N/A	N/A	N/A

APPROVED FASTENERS / ADHESIVES:

TABLE 3

Fastener Number	Product Name	Product Description	Dimensions	Manufacturer (With Current NOA)
1.	CR Base Sheet Fastener (1.7")	Galvanized fastener for base sheet attachment for gypusm and ligthweight concrete decks	1.125" head x 1.75" length	OMG, Inc.

EVIDENCE SUBMITTED:

Test Agency	Test Identifier	Description	Date
NEMO ETC, LLC	4q-TRM-21-SSMBB-02.A	ASTM D4601	03/28/22
	TRM-SC16860.04.18	ASTM D6163	04/27/18
FM Approvals	2Y5A2.AM	FM 4470	11/16/94
	0Z8A3.AM	FM 4470	06/13/95
	2Y9A5.AM	FM 4470	11/13/95
	2B8A4.AM	FM 4470	07/02/97
	3003102	FM 4470	10/04/99
	2D1A8.AM	FM 4470	07/27/00
	0D0A9.AM	FM 4470	08/01/00
	3010780	FM 4470	04/18/02
	3015502	FM 4470	12/30/04
	3024975	FM 4470	11/21/06
	3021358	FM 4470	11/19/08
	3043423	FM 4470	12/14/11
	3045534	FM 4470	04/04/12
	3045650	FM 4470	09/27/12
	3047916	FM 4470	12/13/12
UL LLC	R6692	UL790	03/29/22

DECK STRESS ANALYSIS CALCULATIONS/REPORTS

Engineer/Agency	Identifier	Assemblies:	Date
FM Approval Deck Limitation	N/A	E(1), E(2)	01/01/13

APPROVED ASSEMBLIES:

Membrane Type: BUR

Deck Type 4: Lightweight Concrete, Non-Insulated

Deck Description: Min. 300 psi Celcore Lightweight Insulating Concrete cast over steel

System Type E(1): Base sheet mechanically attached

All General and System Limitations apply.

Deck : Min. 22 ga., 33 ksi, Type B steel decking over ¼" thick steel supports spaced max. 5 ft. o.c. attached 6" o.c. using min. ½" diameter puddle welds and washers or Traxx/5 fasteners. Deck side laps are attached 24" o.c. using Traxx/1 fasteners. Steel deck is covered with a Celcore Cellular lightweight concrete pour consisting of a 1/8" slurry coat, min. 1" thick Holey Board and a min. 2" thick top coat. After the LWC has set apply Celcore PVA Curing Compound to the top surface at a rate of 300 ft^2/gal.

This Tested Assembly has been analyzed for allowable deck stress. See Evidence Submittted Table.

Base Sheet: One ply of BURmastic Composite Ply, BURmastic Composite Ply Premium, , POWERply Heavy Duty Base, BURmastic Glass Ply or BURmastic Glass Ply 28 lb mechanically fastened to deck as described below.

Fasteners: CR Base Sheet Fasteners (1.7") at 7" o.c. at the sidelap which shall be 3" and two staggered rows 7" o.c. in the field.

Ply Sheet: Three or more plies of THERMglass Type IV, THERMglass VI or approved Type IV or Type VI ply sheet adhered to substrate with THERMastic Adhesive, POWERply Modified Hot Melt, or Type III asphalt at a rate of 30 to 35 lb/sq.

Surfacing: (Required) Install one of the following:

1. Gravel (400 lbs./sq.) or slag (300 lbs./sq.) in a flood coat of THERMastic Adhesive, POWERply Modified Hot Melt, Type III asphalt or BURmastic Adhesive at a rate of 4-5 gal./sq. or Tremlastic SP at a rate of 4-5 gal./sq.
2. Min. 200 lbs. white marble applied in Rock-It Adhesive or Rock-It WB Adhesive at 5 gal./sq.
3. Prime surface with TREMprime WB primer at a rate of 200-400 sqs. per gallon. Apply ICE Coating in two coats at a maximum coverage of 2 gal./sq. or a single coat at a maximum coverage rate of 4 gal./sq.
4. Apply One Coat Aluminum to surface with a minimum coverage rate of 2.5-3 gal./sq.

Maximum Design Pressure: –75.00 psf. (See General Limitation #7.)

Membrane Type: BUR

Deck Type 4: Lightweight Concrete, Non-Insulated

Deck Description: Min. 300 psi Celcore Lightweight Insulating Concrete cast over steel

System Type E(2): Base sheet mechanically attached

All General and System Limitations apply.

Deck : Min. 22 ga., 33 ksi, Type B steel decking over ¼" thick steel supports spaced max. 5 ft. o.c. attached 6" o.c. using min. ½" diameter puddle welds and washers or Traxx/5 fasteners. Deck side laps are attached 24" o.c. using Traxx/1 fasteners. Steel deck is covered with a Celcore Cellular lightweight concrete pour consisting of a 1/8" slurry coat, min. 1" thick Holey Board and a min. 2" thick top coat. After the LWC has set apply Celcore PVA Curing Compound to the top surface at a rate of 300 ft^2/gal.

This Tested Assembly has been analyzed for allowable deck stress. See Evidence Submittted Table.

Base Sheet: One ply of BURmastic Composite Ply, BURmastic Composite Ply Premium, POWERply Heavy Duty Base, BURmastic Glass Ply or BURmastic Glass Ply 28 lb mechanically to deck fastened as described below.

Fasteners: CR Base Sheet Fasteners (1.7") at 7" o.c. at the sidelap which shall be 3" and two staggered rows 7" o.c. in the field.

Ply Sheet: Two or more plies of BURmastic Composite Ply, BURmastic Composite Ply Premium, , BURmastic Glass Ply or BURmastic Glass Ply 28 lb adhered in BURmastic Adhesive or BURmastic Adhesive SF at a rate of 2.5-3 gal./sq.

Surfacing: (Required) Install one of the following:

1. Gravel (400 lbs./sq.) or slag (300 lbs./sq.) in a flood coat of THERMastic Adhesive, POWERply Modified Hot Melt, Type III asphalt or BURmastic Adhesive at a rate of 4-5 gal./sq.
2. Min. 200 lbs. white marble applied in Rock-It Adhesive or Rock-It WB Adhesive at 5 gal./sq.
3. Prime surface with TREMprime WB primer at a rate of 200-400 sqs. per gallon. Apply ICE Coating in two coats at a maximum coverage of 2 gal./sq. or a single coat at a maximum coverage rate of 4 gal./sq.
4. Apply One Coat Aluminum to surface with a minimum coverage rate of 2.5-3 gal./sq.

Maximum Design Pressure: –75.00 psf. (See General Limitation #7.)

LIGHTWEIGHT INSULATING CONCRETE SYSTEM LIMITATIONS:

1. If mechanical attachment to the structural deck through the lightweight insulating concrete is proposed, a field withdrawal resistance testing shall be performed to determine equivalent or enhanced fastener patterns and density. All testing and fastening design shall be in compliance with Testing Application Standard TAS 105 and Roofing Application Standard RAS 117, calculations shall be signed and sealed by a Florida registered Professional Engineer, Registered Architect, or Registered Roof Consultant.
2. For steel deck application where specific deck construction is not referenced: The deck shall be a minimum 22 gage attached with $^{5}/_{8}$" puddle welds with weld washers at every flute with maximum deck spans of 5 ft. o.c.
3. For systems where specific lightweight insulating concrete is not referenced, the minimum design mix shall be a minimum of 250 psi.

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 sidelap 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 −45.00 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 Professional Engineer, Registered 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. 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 with 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