



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
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

NOTICE OF ACCEPTANCE (NOA)

United States Gypsum Corporation
550 West Adams Street
Chicago, IL 60661

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: USG Structural Panel Concrete Roof Deck

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 consists of pages 1 through 4.

The submitted documentation was reviewed by Jorge L. Acebo.



NOA No.: 17-1221.03
Expiration Date: 09/27/23
Approval Date: 09/27/18
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ROOFING COMPONENT APPROVAL

Category: Roofing
Sub-Category: Deck – Roof
Materials: Fiberglass/Cementitious Composite
Maximum Design Pressure: -52.5 psf.

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

<u>Product</u>	<u>Dimensions</u>	<u>Test Specifications</u>	<u>Product Description</u>
USG Structural Panel Concrete Roof Deck	4' x 8' x 3/4" Weight: 170 lbs.	ASTM C1185 Type B Grade II	Noncombustible, fiberglass / cementitious composite sheathing panel with tongue-and-groove edges.

TRADE NAMES OF PRODUCTS MANUFACTURED BY OTHERS:

<u>Product</u>	<u>Dimensions</u>	<u>Test Specifications</u>	<u>Product Description</u>	<u>Manufacturer</u>
Grabber USG Structural Panel Fastener (CGH8158LG)	#8 screw x 1-5/8" length	N/A	Lox #2, flat thin wafer head, #3 winged drill point, high density structural panel screw.	Grabber Construction Products, Inc.

MANUFACTURING LOCATIONS:

1. Delavan, WI

EVIDENCE SUBMITTED:

<u>Test Agency</u>	<u>Report Number</u>	<u>Test Specification</u>	<u>Date</u>
Progressive Engineering, Inc.	2017-6034	ASTM C1185	11/06/17
FM Approvals	3060870 Letter 3060870 Report	FM 4472 FM 4472/4470	11/09/17 05/29/18

TYPICAL PHYSICAL PROPERTIES:

USG STRUCTURAL PANEL CONCRETE ROOF DECK

<u>Property</u>	<u>Test</u>	<u>3/4" Thick</u>
Density, lb/ft ³	ASTM C 1185	67.10
Water Absorption, %	ASTM C 1185	34.4
Flexural Strength, psi.	ASTM C 1185	2,309
Dimensional Change:		
Squareness, in.		0.093
Straightness, in.	ASTM C 1185	0.0
Width, in.		0.156
Length, in.		0.156
Thickness, in.		0.026
Moisture Movement:		
Parallel, %	ASTM C 1185	0.055
Perpendicular, %		0.076
Moisture Content, %	ASTM C 1185	7.1
Water Absorption, %	ASTM C 1185	34.4
Surface Burning Characteristics:		
Flame Spread	ASTM E 84	0
Smoke Development		0

APPROVED APPLICATIONS:

SUBSTRATE REQUIREMENTS:

New Construction:

Structural Supports: Minimum 16 ga. purlins fastened to 1/4-inch thick steel structural supports spaced a maximum 48 inch o.c., with #12 HWH Tek 5 fasteners spaced maximum 12 inch o.c.

Substrate: Minimum 3/4-inch thick USG Structural Panel Concrete Roof Deck shall be laid perpendicular to the structural supports and fastened with Grabber USG Structural Panel Fastener (CGH8158LG) #8 x 1-5/8" screws with GrabberGard, spaced 8-inch o.c. at ends and 12-inch o.c. at intermediate supports.

Maximum Design

Pressures: -52.5 psf.

Note: Maximum Design Pressures noted herein shall be used in conjunction with those maximum design pressures published in the Roof System Assembly Notice of Acceptance for Approved Systems over USG Structural Panel Concrete Roof Deck.

GENERAL LIMITATIONS:

1. Any excess water on the surface of the USG Structural Panel Concrete Roof Deck shall be removed prior to roof system installation.
2. Applicator shall maintain a job log and make it available to the Building Official upon request.
3. USG Structural Panel Concrete Roof Deck installation shall demonstrate its suitability to perform as a satisfactory substrate during "walkability inspection". If the deck or a portion of the deck is determined to be out of compliance, the Building Official may call for further testing (if applicable for the roof system) to confirm fastener spacing or provide data for the roof system manufacturer to calculate a new fastener pattern. Fastener testing (if applicable for the roof system) shall be required. Any areas where fasteners will not hold a minimum 40 lbf. shall be removed and replaced.
4. Fastener spacing for mechanical attachment of anchor/base sheet or membrane attachment is based on a minimum fastener resistance value as calculated in conjunction with the maximum design value listed within specific roof membrane manufacturer's NOA. 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 or Registered Architect 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. If continued noncompliance is observed and the roof deck and associated roof system cannot be corrected based on additional testing and attachment calculations, the Building Official may call for the removal of all or portions of the deck.
5. Contractor shall consult with roofing system manufacturer for compatibility with all surface coatings or treatments listed in this NOA.
6. Direct-adhered single ply systems shall be installed in strict compliance with membrane manufacturer's specifications and Roof System NOA.
7. Maximum Design Pressures noted in this NOA shall be used in conjunction with the maximum design pressures published in the Roof System Product Control Notice of Acceptance for Approved Systems over USG Structural Panel Concrete Roof Deck.
8. All coatings or surface preparation materials applied to USG Structural Panel Concrete Roof Deck shall be listed as an approved interface material with the roof system manufacturer.
9. 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.
10. Products listed or packaging shall bear the imprint or identifiable marking of the manufacturer's name or logo, city, state and the following statement: "Miami-Dade County Product Control Approved" or the Miami-Dade County Product Control Seal as shown below.

MIAMI-DADE COUNTY
APPROVED

END OF THIS ACCEPTANCE

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