



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

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208
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Georgia-Pacific Gypsum LLC
2861 Miller Road
Decatur, GA 30035-4036

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: Georgia-Pacific Gypsum Board, DensDeck®

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. 13-0117.02 and consists of pages 1 through 8.

The submitted documentation was reviewed by Jorge L. Acebo.



NOA No.: 13-0212.09
Expiration Date: 02/14/17
Approval Date: 06/20/13
Page 1 of 8

ROOFING COMPONENT APPROVAL

Category: Roofing
Sub-Category: Roofing Insulation
Materials: Gypsum

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

<u>Product</u>	<u>Dimensions</u>	<u>Test Specifications</u>	<u>Product Description</u>
DensDeck [®] , DensDeck Prime [®] & DensDeck DuraGuard [™] Overlayment Board	4' x 8' x 1/4" 4' x 4' x 1/4"	ASTM C 1177	A non-structural, glass mat faced gypsum product with a silicone-treated, water resistant gypsum core and glass surface mats front, back and long edges, the primed board has one side coated with an acrylic limestone filled binder; for use as an overlayment, underlayment, bonding surface or fire barrier.
DensDeck [®] , DensDeck Prime [®] & DensDeck DuraGuard [™] Roof Board	4' x 8' x 1/2" 4' x 4' x 1/2"	ASTM C 1177	A non-structural, glass mat faced gypsum product with a silicone-treated, water resistant gypsum core and glass surface mats front, back and long edges, the primed board has one side coated with an acrylic limestone filled binder; for use as an overlayment, underlayment, bonding surface or fire barrier.
DensDeck [®] , DensDeck Prime [®] & DensDeck DuraGuard [™] Fireguard [®] Type X Gypsum Board	4' x 8' x 5/8" 4' x 4' x 5/8"	ASTM C 1177	A non-structural, glass mat faced gypsum product with a silicone-treated, water resistant gypsum core and glass surface mats front, back and long edges, the primed board has one side coated with an acrylic limestone filled binder; for use as an overlayment, underlayment, bonding surface or fire barrier.

MANUFACTURING LOCATIONS:

<u>Location</u>	<u>Approved Products Manufactured at Location</u>
1. Quanah (Acme), TX	DensDeck [®] , DensDeck Prime [®] & DensDeck DuraGuard [™]
2. Savannah, GA	DensDeck [®] & DensDeck Prime [®]
3. Newington, NH	DensDeck [®] & DensDeck Prime [®]
4. Fort Dodge, IA	DensDeck [®] & DensDeck Prime [®]
5. Lovell, WY	DensDeck [®] & DensDeck Prime [®]
6. Caledonia, ON, Canada	DensDeck [®] & DensDeck Prime [®]
7. Tacoma, WA	DensDeck [®] & DensDeck Prime [®]
8. Antioch, CA	DensDeck [®] & DensDeck Prime [®]
9. Las Vegas, NV	DensDeck [®]



EVIDENCE SUBMITTED

<u>Test Agency/Identifier</u>	<u>Name</u>	<u>Report</u>	<u>Date</u>
Factory Mutual Research Corporation	4450	J.I.# 1N2A6.AM	07/21/87
	4450	J.I.# 0Y8A9.AM	08/30/94
	4450	3003782	06/11/99
	4450	3004417	12/28/99
	4450	3009125	07/30/01
	4450	3011494	08/22/01
	4450	3018578	09/14/04
Underwriters Laboratories, Inc.	UL790	R2717	08/29/89
			08/23/06
	UL790	R15206	01/10/94
			01/19/04
			04/02/01
	UL790	00NK50350	04/02/01
	UL790	01NK3902	04/12/01
Progressive Engineering Inc.	ASTM C1177	2012-395(A)-R1	02/05/13
	ASTM C1177	2012-395(B)-R3	05/14/13
	ASTM C1177	2012-395(C)-R3	05/14/13
PRI Asphalt Technologies, Inc.	Static Uplift TAS 101	GPGC-002-02-01	05/26/04
	Static Uplift TAS 101	GPGC-002-02-02	05/26/04
	Static Uplift TAS 101	GPGC-002-02-03	05/26/04
	Static Uplift TAS 101	GPGC-003-02-01	06/28/04
	Static Uplift TAS 101	GPGC-003-02-02	06/28/04
	Static Uplift TAS 101	GPGC-003-02-03	06/28/04
	Static Uplift TAS 101	GPGC-004-02-01	06/23/04
	Static Uplift TAS 101	GPGC-004-02-02	06/24/04
	Static Uplift TAS 101	GPGC-005-02-01	07/26/04
American Test Lab of South Florida	Static Uplift TAS 101	RT0514.01-12	05/17/12
	Static Uplift TAS 101	RT0427.01-12	04/28/12
	Static Uplift TAS 101	RT0427.02-12	04/28/12



TYPICAL PHYSICAL PROPERTIES: DENSDECK® ROOF BOARDS

<u>Property</u>	<u>Test</u>	<u>¼” DensDeck®</u>	<u>½” DensDeck®</u>	<u>⅝” DensDeck®</u>
Weight, lbs./M ft ² nom.		1200	2000	2500
Flexural Strength:	ASTM C 473			
Parallel lbs. min.		40	80	100
Flute Spanability	ASTM E 661	2 ^{5/8} ”	5”	8”
Permeance, perms	ASTM E 96	50	35	32
“R” Value	ASTM C 518	0.28	0.56	0.67
Coefficient of Expansion, inches/inch/ ⁰ F		8.5 x 10-6	8.5 x 10-6	8.5 x 10-6
Absorption, % max.	ASTM C 473	10	10	10
Compression, psi, max. load		900	900	900
Surface Water Resistance, grams	ASTM C 473	<2.5	2.5	2.5
UL Fire Resistance Classified		UL Class A UL 1256	UL Class A UL 1256	UL Class A UL 1256 & Type DD ¹
Surface Burning Characteristics: Flame spread & Smoke Developed	ASTM E 84	0/0	0/0	0/0

1 For use in UL “P” designs where either ½” or ⅝” thick gypsum wallboard is specified.

Note: The physical properties listed above are presented at typical average values as determined by accepted ASTM test methods and are subject to normal manufacturing variation. Numerical ratings as determined by ASTM Test Method E-84 are not intended to reflect hazards presented by this or any other material under actual fire conditions.



TYPICAL PHYSICAL PROPERTIES: DENSDECK PRIME® ROOF BOARDS

<u>Property</u>	<u>Test</u>	<u>¼" DensDeck Prime®</u>	<u>½" DensDeck Prime®</u>	<u>⅝" DensDeck Prime®</u>
Weight, lbs./M ft ² nom.		1200	2000	2500
Flexural Strength:	ASTM C 473			
Parallel lbs. min.		40	80	100
Flute Spanability	ASTM E 661	2 ^{5/8"}	5"	8"
Permeance, perms	ASTM E 96	30	23	17
"R" Value	ASTM C 518	0.28	0.56	0.67
Coefficient of Expansion, inches/inch/ ⁰ F		8.5 x 10-6	8.5 x 10-6	8.5 x 10-6
Absorption, % max.	ASTM C 473	10	10	10
Compression, psi, max. load		900	900	900
Surface Water Resistance, grams	ASTM C 473	<2.0	2.0	2.0
UL Fire Resistance Classified		UL Class A UL 1256	UL Class A UL 1256	UL Class A UL 1256 & Type DD ¹
Surface Burning Characteristics: Flame spread & Smoke Developed	ASTM E 84	0/0	0/0	0/0

1 For use in UL "P" designs where either ½" or ⅝" thick gypsum wallboard is specified.

Note: The physical properties listed above are presented at typical average values as determined by accepted ASTM test methods and are subject to normal manufacturing variation. Numerical ratings as determined by ASTM Test Method E-84 are not intended to reflect hazards presented by this or any other material under actual fire conditions.



TYPICAL PHYSICAL PROPERTIES: DENSDECK DURAGUARD® ROOF BOARDS

<u>Property</u>	<u>Test</u>	<u>¼” DensDeck DuraGuard®</u>	<u>½” DensDeck DuraGuard®</u>	<u>⅝” DensDeck DuraGuard®</u>
Weight, lbs./M ft ² nom.		1600	2000	2500
Flexural Strength:	ASTM C 473			
Parallel lbs. min.		40	80	100
Flute Spanability	ASTM E 661	2 ^{5/8} ”	5”	8”
Permeance, perms	ASTM E 96	<2	<2	<2
“R” Value	ASTM C 518	0.28	0.56	0.67
Coefficient of Expansion, inches/inch/ ⁰ F		8.5 x 10-6	8.5 x 10-6	8.5 x 10-6
Absorption, % max.	ASTM C 473	10	10	10
Compression, psi, max. load		1500	900	900
Surface Water Resistance, grams	ASTM C 473	<1.0	1.0	1.0
UL Fire Resistance Classified		UL Class A UL 1256	UL Class A UL 1256	UL Class A UL 1256 & Type DD ¹
Surface Burning Characteristics: Flame spread & Smoke Developed	ASTM E 84	0/0	0/0	0/0

1 For use in UL “P” designs where either ½” or ⅝” thick gypsum wallboard is specified.

Note: The physical properties listed above are presented at typical average values as determined by accepted ASTM test methods and are subject to normal manufacturing variation. Numerical ratings as determined by ASTM Test Method E-84 are not intended to reflect hazards presented by this or any other material under actual fire conditions.



PHYSICAL PROPERTIES OF COMPONENTS:

Trade name: DensDeck, DensDeck Prime & DuraGuard Overlayment

Thickness: Minimum ¼” thick

Board Size(s): 4’ x 8’ (1.2 x 2.4m) 4’ x 4’ (1.2 x 1.2m)

Core: Gypsum

Facers: Fiberglass mat

Decks: Concrete, Cementitious Wood Fiber, Steel, Wood, Lightweight Concrete, Gypsum

Special Application: Dens-Deck, Prime and DuraGuard may be secured with ASTM D 312 type III asphalt at an application Rate of 25 lbs./sq. \pm 15%, or by mechanical attachment. Maximum board size for asphalt securement is 4’ x 4’.

Trade name: DensDeck, DensDeck Prime & DuraGuard Roof Board

Thickness: Minimum ½” thick

Board Size(s): 4’ x 8’ (1.2 x 2.4m) 4’ x 4’ (1.2 x 1.2m)

Core: Gypsum

Facers: Fiberglass mat

Decks: Concrete, Cementitious Wood Fiber, Steel, Wood, Lightweight Concrete, Gypsum

Special Application: Dens-Deck, Prime and DuraGuard may be secured with ASTM D 312 type III asphalt at an application Rate of 25 lbs./sq. \pm 15%, or by mechanical attachment. Maximum board size for asphalt securement is 4’ x 4’.

Trade name: DensDeck, DensDeck Prime & DuraGuard Fireguard Roof Board

Thickness: Minimum 5/8” thick

Board Size(s): 4’ x 8’ (1.2 x 2.4m) 4’ x 4’ (1.2 x 1.2m)

Core: Gypsum

Facers: Fiberglass mat

Decks: Concrete, Cementitious Wood Fiber, Steel, Wood, Lightweight Concrete, Gypsum

Special Application: Dens-Deck, Prime and DuraGuard may be secured with ASTM D 312 type III asphalt at an application Rate of 25 lbs./sq. \pm 15%, or by mechanical attachment. Maximum board size for asphalt securement is 4’ x 4’.



COMPONENT APPLICATION:

1/4", 1/2" Dens Deck, Prime & DuraGuard Roof Board; 5/8" Dens Deck, Prime & DuraGuard Fireguard

1. Refer to specific roof assembly NOA for minimum dimensions and for type and pattern of mechanical attachment, and/or adhesive.
2. Fastening Patterns shall be a minimum of 16 insulation fasteners and plates per 4' x 8' panel (1:2 ft²), unless otherwise specified in Roof Assembly NOA.

COMMENTS AND LIMITATIONS:

1. Roof assemblies are approved under specific roof cover's Product Control Notice of Acceptance.
2. Georgia-Pacific Gypsum products may be used with any approved roof covering listing a specific Georgia-Pacific Gypsum product as a component part of a roof assembly Notice of Acceptance. If a Georgia-Pacific Gypsum product is not listed, a request may be made to the Authority Having Jurisdiction (AHJ) or Miami Dade Product Control for approval provided that appropriate documentation is provided.
3. Fire classification is not a part of this Notice of Acceptance.
4. All approved products listed herein shall be labeled and shall bear the imprint or identifiable marking of the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved" or the Miami-Dade County Product Control Seal as shown below.



END OF THIS ACCEPTANCE

