MIAMI-DADE

**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)

**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 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 BCCO (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. BCCO reserves the right to revoke this acceptance, if it is determined by BCCO 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: Georgia-Pacific Gypsum Board, Dens Deck®**

**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. 07-0124.02 and consists of pages 1 through 5.
The submitted documentation was reviewed by Alex Tigera.

## ROOFING COMPONENT APPROVAL

**Category:** Roofing
**Sub-Category:** Insulation and Sheathing Panels
**Materials:** Gypsum

## TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

| Product | Dimensions | Test Specifications | Product Description |
|---|---|---|---|
| Dens-Deck ®, Dens-Deck Prime® & Dens Deck DuraGuard™ Overlayment Board | 4' x 8' x ¼"<br>4' x 4' x ¼" | TAS 110 | 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. |
| Dens-Deck®, Dens-Deck Prime® & Dens Deck DuraGuard™ Roof Board | 4' x 8' x ½"<br>4' x 4' x ½" | TAS 110 | 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. |
| Dens-Deck®, Dens-Deck Prime® & Dens Deck DuraGuard™ Fireguard® Type X Gypsum Board | 4' x 8' x $^5/_8$"<br>4' x 4' x $^5/_8$" | TAS 110 | 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. |

## TYPICAL PHYSICAL PROPERTIES:

| Property | Test | ¼" Dens Deck, Prime & DuraGuard | ½" Dens Deck, Prime & DuraGuard | $^5/_8$" Dens Deck, Prime & DuraGuard |
|---|---|---|---|---|
| Weight, lbs. / M ft² nom. | | 1100 | 1975 | 2500 |
| Flexural Strength: | ASTM C 473 | | | |
| Parallel lbs. min. | | 40 | 80 | 100 |
| Perpendicular, lbs. min. | | 50 | 100 | 140 |
| Flute Spanability | ASTM E 661 | 2 $^5/_8$" | 5" | 8" |
| Permeance, perms for Dens Deck & Prime | ASTM E 96 | 50 | 35 | 32 |
| Permeance, perms for DuraGuard | ASTM E 96 | ≤ 5 | ≤ 5 | ≤ 5 |
| "R" Value | ASTM C 518 | 0.28 | 0.56 | 0.67 |
| Coefficient of Expansion, inches/inch/°F | | 10 x 10-6 | 10 x 10-6 | 10 x 10-6 |
| Nail Pull Resistance, lbs. force, min. | ASTM C 473 | 40 | 80 | 90 |
| Core Hardness, lbs. min | ASTM C 473 | 15 | 15 | 15 |
| Edge Hardness, lbs. min | ASTM C 473 | 15 | 15 | 15 |
| Absorption, % max. | ASTM C 473 | 10 | 10 | 10 |
| Compression, psi, max. load | | 1500 | 900 | 900 |
| Humidified Deflection, inches | ASTM C 473 | N/A | ¼" | $^1/_8$" |
| 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 |

1 For use in UL "P" designs where either ½" or $^5/_8$" thick gypsum wallboard is specified.

## PHYSICAL PROPERTIES OF COMPONENTS:

| | |
|---|---|
| **Tradename:** | **Dens-Deck, 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. ±15%, or by mechanical attachment. Maximum board size for asphalt securement is 4' x 4'. |

| | |
|---|---|
| **Tradename:** | **Dens-Deck, 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. ±15%, or by mechanical attachment. Maximum board size for asphalt securement is 4' x 4'. |

| | |
|---|---|
| **Tradename:** | **Dens-Deck, 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. ±15%, or by mechanical attachment. Maximum board size for asphalt securement is 4' x 4'. |

## EVIDENCE SUBMITTED

| Test Agency/Identifier | Name | Report | Date |
|---|---|---|---|
| Factory Mutual | 4450 | J.I.# 1N2A6.AM | 07/21/87 |
| Research Corporation | 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. | Fire Classification | R2717 | 08/29/89<br>08/23/06 |
| | Fire Classification | R15206 | 01/10/94<br>01/19/04<br>04/02/01<br>04/12/01 |
| | Fire Classification | 00NK50350 | 04/02/01 |
| | Fire Classification | 01NK3902 | 04/12/01 |
| PRI Asphalt Technologies, Inc | Static Uplift TAS 101 | GPGC-002-02-01 | 05/26/04 |
| | | GPGC-002-02-02 | 05/26/04 |
| | | GPGC-002-02-03 | 05/26/04 |
| | | GPGC-003-02-01 | 06/28/04 |
| | | GPGC-003-02-02 | 06/28/04 |
| | | GPGC-003-02-03 | 06/28/04 |
| | | GPGC-004-02-01 | 06/23/04 |
| | | GPGC-004-02-02 | 06/24/04 |
| | | GPGC-005-02-01 | 07/26/04 |

## COMPONENT APPLICATION:

¼", ½" 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 $ft^2$), unless otherwise specified in Roof Assembly NOA.

## COMMENTS AND LIMITATIONS:

1. Georgia-Pacific products are components used in approved roof assemblies.

2. Georgia-Pacific products may be used with any approved roof assembly NOA listing a specific Georgia-Pacific product as a component part of an assembly. If a Georgia-Pacific product is not listed, a request may be made to the Building Official or the Miami-Dade Office of Building Code Compliance Product Control Division for approval provided that appropriate documentation is provided.

# END OF THIS ACCEPTANCE