



Georgia-Pacific

DensDeck Prime®

Roof Board

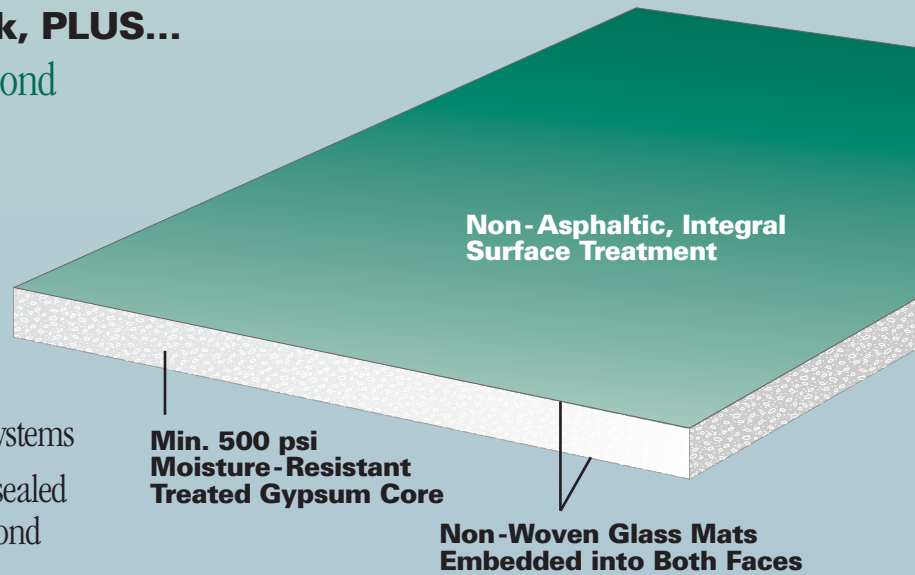
Featuring a non-asphaltic, integral surface treatment for an enhanced bond and reduced fasteners.

All the properties of DensDeck, PLUS...

- Creates a more consistent, stronger bond
- Reduces adhesive requirements
- Fewer fasteners required
- Allows for uniform drying time

Uses:

- Fully-adhered single-ply systems
- Torch and cold-applied modified bitumen systems
- Other commercial roofing systems where a sealed surface is desirable for a highly consistent bond



Features	Benefits
Reduces adhesive use in single-ply systems by up to 50 percent	Significant cost savings
Fewer fasteners required for higher wind uplift resistance	Lower installation cost
Minimizes blistering during torch application of modified bitumens	Allows for a more consistent bond
Darker color that accelerates drying of surface after moisture exposure	Diminishes risk of trapped moisture
Glass mat is encapsulated with coating	Reduces skin irritation from exposed glass fibers
High-strength bonds with both adhesive and modified bitumen	Improves wind uplift performance and reduces fastener requirements
Allows uniform drying of single-ply adhesives and cold mastics	Facilitates a more consistent bond without blisters
Moisture-resistant core	Superior mold and fire resistance
Glass mats embedded into core on both faces	Results in dimensional stability and prevents warping



Georgia-Pacific
Gypsum

DensDeck Prime® Properties, Standards and Classifications

	¼" DensDeck Prime	½" DensDeck Prime	⅝" DensDeck Prime Fireguard®
Thickness, inches, nominal	¼" ± ⅛"	½" ± ⅜"	⅝" ± ⅜"
Width, standard	4' ± ⅛"	4' ± ⅛"	4' ± ⅛"
Length, standard ⁸	4' and 8' ± ¼"	8' ± ¼"	8' ± ¼"
Weight, lbs./sq. ft., nominal	1.15	1.975	2.55
Surfacing Treatment to one side	Glass mat Non-asphaltic coating	Glass mat Non-asphaltic coating	Glass mat Non-asphaltic coating
Flexural Strength ⁴ ; parallel, lbs. min.	40 ⁵	80 ⁵	100 ⁵
Flute Spanability ¹	2⅝"	5"	8"
Permeance ² ; Perms	50	35	32
"R" Value ³	.28	.56	.67
Linear Variation with Change in Temp., in/in °F	8.5x 10 ⁻⁶	8.5x 10 ⁻⁶	8.5x 10 ⁻⁶
Linear Variation with Change in Moisture, in/in %RH	6.25x 10 ⁻⁶	6.25x 10 ⁻⁶	6.25x 10 ⁻⁶
Water Absorption ⁴ ; % max	10.0	10.0	10.0
Compression Strength, psi nominal	500-900	500-900	500-900
Surface Water Absorption ⁴ ; grams, nominal	2.0	2.0	2.0
Flame Spread, DFSmoke Developed (ASTM E 84)	0	0	0
Fire Classification	FM CLASS 1 (as overlayment) UL 1256, ULC S-126 UL Class A (UL 790) ULC S-107	FM Class 1 (FM 4450) UL 1256, ULC S-126 UL Class A (UL 790) ULC S-107	FM Class 1 (FM 4450) UL 1256, ULC S-126 UL Classified "P" assemblies ULC Classified "R" assemblies ULC S-101 Class A (UL 790), ULC S-107
Mold and Mildew Resistance	No growth ⁷	No growth ⁷	No growth ⁷
FM Approvals ⁶	60 and 90 psf uplift/ FM Class 1-90 as an overlayment	FM 1-60, 1-90, 1-135	FM 1-60, 1-90, 1-180
Bending Radius	5'	8'	12'

1. Tested in accordance with ASTM E 661 (400 lb. conc. load only for ½" and ⅝").
2. Tested in accordance with ASTM E 96 (dry cup method).
3. Tested in accordance with ASTM C 518 (heat flow meter).
4. Tested in accordance with ASTM C 473.
5. ASTM C 1177 minimums.

6. Higher wind uplift ratings have been achieved by numerous membrane manufacturers using DensDeck Prime in their FMRC-approved construction designs.
7. Tested in accordance with ASTM D 3273.
8. 4' x 4' size available upon special request.



SALES INFORMATION AND ORDER PLACEMENT

U.S.A. Midwest: **1-800-876-4746** West: **1-800-824-7503**
South: **1-800-327-2344** Northeast: **1-800-947-4497**

CANADA Canada Toll Free: **1-800-387-6823**
Quebec Toll Free: **1-800-361-0486**

TECHNICAL INFORMATION

Georgia-Pacific Gypsum Technical Hotline
U.S.A. and Canada: **1-800-225-6119**
Mon.-Fri., 8 a.m.-5 p.m. ET
www.gpgypsum.com

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UPDATES AND CURRENT INFORMATION The information in this document may change without notice. Visit our Web site at www.gpgypsum.com for updates and current information.



LIMITATION OF REMEDIES AND DAMAGES Unless otherwise stated in our written limited warranty for this product, our sole liability for any product claim shall be limited to reimbursement of the cost of repair or replacement of the affected product, up to a maximum amount of two times the original purchase price for the affected product. We shall not be responsible under any circumstances for lost profits, damage to a structure or its contents, or indirect, incidental, special or consequential damages. Claims shall be deemed waived if they are not submitted to us in writing within ten days after discovery.

SAFETY CAUTION: This product contains fiberglass. Fibers and dust may be released from this product during normal handling and may result in skin, eye and respiratory irritation. Avoid breathing dust and contact with the skin and eyes. Follow these standard work practices: Wear a loose-fitting, long-sleeved shirt and long pants, protective gloves and eye protection (goggles or safety glasses with side shields). Wear a dust mask when sanding. Additional protection may be needed when very dusty. Do not use a power saw. For Material Safety Data Sheet or additional information, call 1-800-225-6119 or visit our Web site.