

DensDeck®

DuraGuard Roof Board

All the properties of DensDeck®, PLUS...

A low perm, integrated, durable coating that enhances bond strength of membrane system to DensDeck® DuraGuard without requiring field priming.*

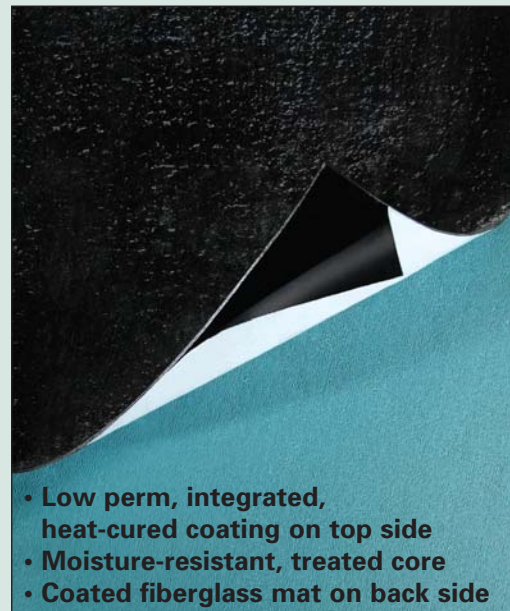
Ideal for Self-Adhered Systems

Uses:

- Overlayment (fire barrier, protection board)
- Underlayment (thermal barrier)
- Reroof/recover board
- Separator board (heat/solvent barrier)
- Vapor barrier substrate

Systems:

- Self-adhered (Single Ply/Modified Bitumen)
- Hot mopped asphalt
- Metal roofing
- Modified bitumen
- Fluid applied membrane
- Single-ply (thermoplastic/elastomeric)
- Foam applied tile



- Low perm, integrated, heat-cured coating on top side
- Moisture-resistant, treated core
- Coated fiberglass mat on back side

*Consult membrane manufacturer for specifics.

Features	Benefits
Low perm, durable, integrated coating	<ul style="list-style-type: none"> • Enhances bond strength of membrane system to board • Increases peel strength • Eliminates need for field priming* • Adhesives spread uniformly with better coverage • Ideal substrate for wide variety of adhered roof systems including self adhered and hot mopped asphalt
Coated fiberglass mats	<ul style="list-style-type: none"> • Adds strength, dimensional stability, durability • Resists job site damage • Increases durability and life cycle of roof system • Resists growth of mold**
Water-resistant, treated core	<ul style="list-style-type: none"> • Added moisture protection

*Consult membrane manufacturer for specifics.

**When tested, as manufactured, per ASTM D 3273.

DensDeck® DuraGuard Properties, Standards and Classifications



	1/4" DensDeck DuraGuard	1/2" DensDeck DuraGuard	5/8" DensDeck DuraGuard Fireguard®
Thickness, nominal	1/4" ± 1/16"	1/2" ± 1/32"	5/8" ± 1/32"
Width, standard	4' ± 1/8"	4' ± 1/8"	4' ± 1/8"
Length, standard	4' and 8' ± 1/4"	4' and 8' ± 1/4"	4' and 8' ± 1/4"
Weight, lbs./sq. ft., nominal	1.5 - 1.575	2.0	2.5
Surfacing	Fiberglass mat Durable, low-perm coating	Fiberglass mat Durable, low-perm coating	Fiberglass mat Durable, low-perm coating
Flexural Strength ¹ , parallel, lbs. min.	40	80	100
Flute Spanability ²	2-5/8"	5"	8"
Permeance ³ , perms	≤ 2	≤ 2	≤ 2
"R" Value ⁴	.28	.56	.67
Linear Variation with Change in Temp., in/in °F	8.5 x 10 ⁻⁶	8.5 x 10 ⁻⁶	8.5 x 10 ⁻⁶
Linear Variation with Change in Moisture, in/in %RH	6.25 x 10 ⁻⁶	6.25 x 10 ⁻⁶	6.25 x 10 ⁻⁶
Water Absorption ⁵ , % max	10.0	10.0	10.0
Compressive Strength, psi nominal	1500	500 - 900	500 - 900
Surface Water Absorption, grams, nominal	< 1.0	< 1.0	< 1.0
Flame Spread, Smoke Developed (ASTM E 84)	15/0	15/0	15/0
Fire Classification	FM CLASS 1 (as overlayment) UL 1256, ULC S-126 UL Class A (UL 790) ULC S-107	FM CLASS 1 (as overlayment) UL 1256, ULC S-126 UL Class A (UL 790) ULC S-107	FM CLASS 1 (as overlayment) UL 1256, ULC S-126 UL Class A (UL 790) ULC S-107
Mold Resistance per ASTM D 3273 ⁶	Mold resistant	Mold resistant	Mold resistant
Bending Radius	8'	12'	16'
ASTM Standard	C 1177	C 1177	C 1177
Uplift Standards and Testing	ANSI/UL 1897 ASCE 7 FM 4470	ANSI/UL 1897 ASCE 7 FM 4470	ANSI/UL 1897 ASCE 7 FM 4470

1. Tested in accordance with ASTM C 473.

2. Tested in accordance with ASTM E 661 (400 lb. conc. load only for 1/2" and 5/8").

3. Tested in accordance with ASTM E-96 (dry cup method).

4. Tested in accordance with ASTM C 518 (heat flow meter).

5. ASTM C 1177 minimums.

6. When tested as manufactured in accordance with ASTM D 3273.



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**
www.gpgypsum.com



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UPDATES AND CURRENT INFORMATION

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LIMITATION OF REMEDIES AND DAMAGES

Unless otherwise stated in our written warranty for these products, 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 (10) days after discovery of a product defect/circumstance giving rise to a claim.

CAUTION: For product fire, safety and use information, go to gp.com/safetyinfo.

HANDLING AND USE

CAUTION: This product contains fiberglass facings which may cause skin irritation. Dust and fibers produced during the handling and installation of the product may cause skin, eye and respiratory tract irritation. Avoid breathing dust and minimize contact with skin and eyes. Wear long sleeve shirts, long pants and eye protection. Always maintain adequate ventilation. Use a dust mask or NIOSH/MSHA approved respirator as appropriate in dusty or poorly ventilated areas. For additional product fire,

safety and use information go to www.gp.com/safetyinfo or call 1-800-225-6119.

FIRE SAFETY CAUTION

Passing a fire test in a controlled laboratory setting and/or certifying or labeling a product as having a one-hour, two-hour, or any other fire resistance or protection rating and, therefore, as acceptable for use in certain fire rated assemblies/systems, does not mean that either a particular assembly/system incorporating the product, or any given piece of the product itself, will necessarily provide one-hour fire resistance, two-hour fire resistance, or any other specified fire resistance or protection in an actual fire. In the event of an actual fire, you should immediately take any and all actions necessary for your safety and the safety of others without regard for any fire rating of any product or assembly/system.