

# DensDeck Prime

## Product Description:

An exceptional fire barrier, thermal barrier, cover board and recovery board used in various roofing systems. The facer is enhanced to allow adhesives to be applied more uniformly and consistently. DensDeck Prime creates a stronger and more economical installation by reducing the amounts of adhesive used and potentially eliminates any primers.



## Packaging:

DensDeck Prime is shrink-wrapped and job site delivered.

## Features:

- UL code ratings available for high slopes and wood decks
- FM Approved
- Improves resistance to foot traffic and hail damage
- Excellent wind uplift ratings
- Resistant to deterioration, warping, and jobsite damage

## Application:

DensDeck can be installed over approved substrates. Refer to IB Specifications and Construction Details for additional installation instructions.

## Moisture Management:

DensDeck Prime Roof Boards, like other components used in roofing systems, must be protected from exposure to moisture before, during and after installation. Remove the plastic packaging from all DensDeck Prime Roof Board immediately upon receipt of delivery. Failure to remove the plastic packaging may result in entrapment of condensation or moisture.

## Approvals:

- ASTM C1177
- Florida Product Approval
- Miami-Dade County, Product Control Approved
- UL 790 Classification
- UL 1256 Classification
- FM Standard 4450 – 1/4” DensDeck

Typical Physical Properties			
Properties	1/4"	1/2"	5/8"
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, nominal, lbs./sq. ft.	1.2	2.0	2.5
Surfacing	Fiberglass mat with non-asphaltic coating	Fiberglass mat with non-asphaltic coating	Fiberglass mat with non-asphaltic coating
Flexural Strength <sup>1</sup> , parallel, lbf. min.	≥40	≥80	≥100
Flute Spanability <sup>2</sup>	2-5/8"	5"	8"
Permeance <sup>3</sup> , perms	>30	>23	>17
R Value <sup>4</sup> , ft <sup>2</sup> ·°F·hr/BTU (m <sup>2</sup> ·K/W)	.28	.56	.67
Linear Variation with Change in Temp., in/in °F	8.5 x 10 <sup>-6</sup>	8.5 x 10 <sup>-6</sup>	8.5 x 10 <sup>-6</sup>
Linear Variation with Change in Moisture	6.25 x 10 <sup>-6</sup>	6.25 x 10 <sup>-6</sup>	6.25 x 10 <sup>-6</sup>
Water Absorption <sup>5</sup> , % max	<10	<10	<10
Compressive Strength <sup>6</sup> , psi nominal	900	900	900
Surface Water Absorption, grams, nominal	<2.0	<2.0	<2.0
Flame Spread, Smoke Developed (ASTM E84)	0/0	0/0	0/0
Bending Radius	4'	6'	8'

1. Tested in accordance with ASTM C473 method B.  
 2. Tested in accordance with ASTM E661.  
 3. Tested in accordance with ASTM E96 (dry cup method).  
 4. Tested in accordance with ASTM C518 (heat flow meter).  
 5. Tested in accordance with ASTM C1177.  
 6. Tested in accordance with ASTM C473.