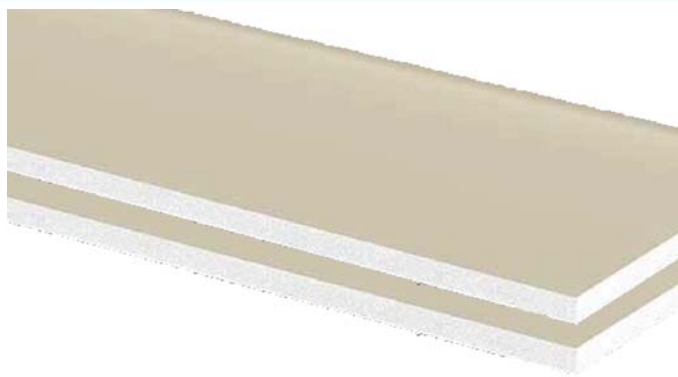


DensDeck

Product Description:

An exceptional fire barrier, thermal barrier, cover board and recovery board used in various roofing systems. The design employs fiberglass mat facers that are mechanically bonded to a high density gypsum core, providing excellent fire resistance and wind uplift properties. The unique construction provides superior flute spanning that stiffens and provides increased foot traffic resistance to the roof deck. DensDeck has been shown to withstand delamination, deterioration, warping and job-site damage more effectively than substrates such as paper-faced gypsum board, fiberboard and perlite. DensDeck is highly resistant to the growth of mold when tested, as manufactured, per ASTM D3273.



Packaging:

DensDeck 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 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 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	8'±1/4"	8'±1/4"	8'±1/4"
Weight, nominal, lbs./sq. ft.	1.2	2.0	2.5
Surfacing	Fiberglass mat	Fiberglass mat	Fiberglass mat
Flexural Strength ¹ , parallel, lbf. min.	≥40	≥80	≥100
Flute Spanability ²	2-5/8"	5"	8"
Permeance ³ , perms	>50	>35	>32
R Value ⁴ , ft ² ·°F·hr/BTU (m ² ·K/W)	.28	.56	.67
Linear Variation with Change in Temp.	8.5 x 10 ⁻⁶	8.5 x 10 ⁻⁶	8.5 x 10 ⁻⁶
Water Absorption ⁵ , % max	<10	<10	<10
Compressive Strength ⁶ , psi nominal	900	900	900
Surface Water Absorption, grams, nominal	<2.5	<2.5	<2.5
Flame Spread, Smoke Developed (ASTM E84)	0/0	0/0	0/0
Bending Radius	5'	8'	12'
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.			