



Securock[®]

Roof Board

Improve Your Roof System

Securock® Roof Board

SECUROCK brand roof board is a high-performance, versatile board that enhances low-slope commercial roof assemblies.

SECUROCK roof board brings a new standard to the industry—a roof board that is hardworking, easy to use and easy on the environment. SECUROCK roof board's effectiveness speaks for itself:

- High level of performance
- Economical usage
- Easy product selection
- Environmentally friendly

Better performance means you can do more with less. In most cases, you can achieve equal or better performance with a thinner SECUROCK product, while optimizing fastener and adhesive use.

A Higher Level of Performance

SECUROCK roof board's homogeneous composition means a stronger product with no additional face layer component that can delaminate, resulting in increased peel strengths. Independent testing supports exceptional adhesion in self or fully adhered systems. The high-density board stands up to hail and construction traffic. SECUROCK roof board can be used as a fire barrier in built-up roof (BUR), modified asphalt, torch-applied and single ply systems.

SECUROCK roof board performs well in hot-applied torch down testing. SECUROCK roof board's composition minimizes trapped air and moisture on the face, which can cause blistering.

Combine a low permeable water-resistant panel that scores a perfect '10' against mold and mildew on ASTM D3273^a with 95% recycled content, and there's just no competition.

Performance	1/4" SECUROCK ^b	1/4" DENSDECK Prime	3/8" SECUROCK ^b	1/2" DENSDECK Prime	1/2" SECUROCK ^b	5/8" SECUROCK ^b	5/8" DENSDECK Prime
Compressive strength, psi	1250	660 ^c	1000	660 ^c	500	500	660 ^c
Flute span, inches	2-5/8	2-5/8 ^e	5	5 ^c	8	8	8 ^c
Surface water absorption, grams	1.6	<2 ^d	1.6	<2 ^d	1.6	1.6	<2 ^d
Nail pull, lbs./ft.	80	NDA ^e	110	80 ^c	120	145	90 ^c
Face layer	none	fiberglass	none	fiberglass	none	none	fiberglass
Permeance, perms	30	50 ^d	26	35 ^d	26	26	32 ^d
Number of fasteners per FM 4470 testing	10 for FM 1-90	12 for FM 1-90 ^d	10 for FM 1-90	12 for FM 1-90 ^d	10 for FM 1-90	20 for FM 1-165	8 for FM 1-60 ^d
Squareness tolerances in 4 feet	± 1/16"	NDA ^e	± 1/16"	NDA ^e	± 1/16"	± 1/16"	NDA ^e

A More Economical Product

When compared to DENSDECK products, SECUROCK roof board has better compressive strength, surface water resistance and flute spanability. Testing confirms that you can substitute a 3/8" SECUROCK panel for other 1/2" products and still achieve superior performance.

Compressive Strength	psi				
	200	400	600	800	1000
3/8" SECUROCK Roof Board ^f					1000
1/2" DENSDECK Prime ^e					660
Surface Water Absorption	Grams				
	0	.5	1.0	1.5	2.0
3/8" SECUROCK Roof Board ^f					1.6
1/2" DENSDECK Prime ^d					2.0
Flute Spanability	Inches				
	1	2	3	4	5
3/8" SECUROCK Roof Board ^f					5
1/2" DENSDECK Prime ^e					5

Fastener Economy

In independent testing, 1/4" SECURoCK roof board achieves equivalent wind uplift performance while optimizing fastener density. Superior performance means you can save on fasteners compared to systems with a fiberglass-faced board.

Performance Ratings with Adhered Single Ply Roof Covers	1/4" SECURoCK Roof Board ^b	1/4" DENSDECK ^d	1/4" DENSDECK Prime ^d
Wind performance rating, psf	90	90	90
Attachment density, fasteners/sq. ft.	.31	.47	.38
Fasteners per 4' x 8' board	10	15	12

Adhesive Application

SECURoCK roof board has high bond strength and low absorption, with no primer required. No priming and low absorption reduce adhesive use, providing an installed-cost advantage.

Easier Product Selection

With a single SECURoCK board consistently meeting your needs, it's easy to select the right product for the job. You can avoid "errors and omissions" claims and change orders by selecting the thickness you need and feeling confident that you have made the right decision.

Applications	SECURoCK	DENSDECK	DENSDECK Prime	DENSDECK DuraGuard	Pelite Board	High Density Woodfiber
Single ply mechanically attached	Recommended	Recommended	Acceptable	Not recommended	Acceptable	Acceptable
Single ply adhered (solvent)	Recommended	Acceptable	Recommended	Acceptable	Not recommended	Acceptable
Single ply adhered (water based)	Recommended	Acceptable	Recommended	Not recommended	Not recommended	Acceptable
Mod bit torched	Recommended	Not recommended	Recommended	Acceptable	Acceptable	Acceptable
Mod bit cold	Recommended	Acceptable	Recommended	Not recommended	Acceptable	Acceptable
Mod bit mopped	Recommended	Acceptable	Acceptable	Recommended	Acceptable	Acceptable
Built-up roof (BUR)	Recommended	Acceptable	Acceptable	Recommended	Recommended	Acceptable
Built-up roof (BUR) hybrid	Recommended	Acceptable	Acceptable	Recommended	Acceptable	Acceptable
Self adhered	Recommended	Acceptable	Acceptable	Recommended	Not recommended	Variable
Spray foam	Recommended	Acceptable	Recommended	Acceptable	Acceptable	Acceptable
Thermal barrier	Recommended	Recommended	Acceptable	Acceptable	Variable	Not recommended

Environmentally Friendly



SECURoCK roof board is made from 95% recycled content (85% post-industrial and 10% post-consumer) and has earned independent certification from Scientific Certification Systems (SCS) for this achievement.

The U.S. Green Building Council has developed a system to rate the environmental design benefits of buildings. This LEED® (Leadership in Energy and Environmental Design) guideline has been adopted by many cities and states as their environmental requirements on public building design.

SECURoCK roof board's high recycled content may qualify for LEED credits 4.1 and 4.2. Since SECURoCK roof board can be used with highly reflective roofing membranes to reduce the urban heat island effect, it may qualify for LEED credit 7.2. Use of SECURoCK roof board with an organic, highly reflective roofing membrane to reduce the urban heat island effect may qualify for LEED credits 1.1 and 1.2.

Notes: (a) Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber. (b) Tested at Exterior Research & Design, L.L.C. (ERD). (c) DENSDECK physical properties values are taken from Georgia Pacific's Miami Dade NOA No. 02-0102.01 unless otherwise noted. (d) DENSDECK physical properties values are taken from GP DENSDECK Roof Boards, GEO 08/04 Lit. Item #102261. (e) NDA – no test data is available. (f) SECURoCK physical properties values are listed in Miami-Dade NOA No. 05-0526.02.

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Product Information

See usg.com for the most up-to-date product information.

Note

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Safety First!

Follow good safety and industrial hygiene practices during handling and installation of all products and systems. Take necessary precautions and wear the appropriate personal protective equipment as needed. Read material safety data sheets and related literature on products before specification and/or installation.

