

# USG SECUROCK® BRAND HIGH-PERFORMANCE ROOF BOARDS

USG has a full range of high-performance roof board products, giving consumers a choice in the roof board industry.

USG Securock® Brand Gypsum-Fiber Roof Board outperforms the competition and is made from 95 percent recycled material. USG Securock® Brand Glass-Mat Roof Board meets the stringent performance requirements and specifications of competitive glass-mat roof boards while being easier to handle. Plus, both boards come with the customer service, flexibility and responsiveness that only USG can deliver. All of this adds up to a roof board portfolio that goes above and beyond the competition.

USG SECUROCK®  
GLASS-MAT  
ROOF BOARD

Performance	1/4" USG Securock® Brand Glass-Mat	1/4" GP DensDeck®¹	1/2" USG Securock® Brand Glass-Mat	1/2" GP DensDeck®¹	5/8" USG Securock® Brand Glass-Mat	5/8" GP DensDeck®¹
Compressive strength, psi	700-1,000	900	700-1,000	900	700-1,000	900
Flute span	2-5/8"	2-5/8"	5"	5"	8"	8"
Bending radius	4'	5'	6'	8'	9'	12'
Flexural strength, Method B, parallel, lbf. min. per ASTM C473	40	40	80	80	100	100
Permeance, perms	18	50	18	35	16	32
Water absorption, % max, per ASTM C473	10	10	10	10	10	10
Mold resistance per ASTM D3273*	10	10	10	10	10	10
ASTM Standard	C1177	C1177	C1177	C1177	C1177	C1177

USG SECUROCK®  
GYPSUM-FIBER  
ROOF BOARD

Performance	1/4" USG Securock® Brand Gypsum-Fiber	1/4" GP DensDeck® Prime¹	3/8" USG Securock® Brand Gypsum-Fiber	1/2" GP DensDeck® Prime¹	1/2" USG Securock® Brand Gypsum-Fiber	5/8" GP DensDeck® Prime¹	5/8" USG Securock® Brand Gypsum-Fiber
Compressive strength, psi	1,800	900	1,800	900	1,800	900	1,800
Flute span	2-5/8"	2-5/8"	5"	5"	8"	8"	10"
Flexural strength, Method B, parallel, lbf. min. per ASTM C473	40	40	70	80	110	100	155
Nail-pull resistance, min. lbs./ft.	80	40²	110	80²	120	90²	145
Water absorption, % max, per ASTM C473	10	10	10	10	10	10	10
Mold resistance per ASTM D3273*	10	N/A¹	10	N/A¹	10	N/A¹	10
ASTM Standard	C1278	C1177	C1278	C1177	C1278	C1177	C1278

**\*ASTM D3273 Mold Resistance Testing:** In independent lab tests conducted on USG Securock Gypsum-Fiber Roof Board and USG Securock Glass-Mat Roof Board at the time of manufacture per ASTM D3273 Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber, both panels scored a 10. The ASTM lab test may not accurately represent the mold performance of building materials in actual use. Given unsuitable project conditions during storage, installation or after completion, any building material can be overwhelmed by mold. To manage the growth of mold, the best and most cost-effective strategy is to protect building products from water exposure during storage and installation and after completion of the building. This can be accomplished by using good design and construction practices.

A MORE ECONOMICAL  
PRODUCT

When compared to GP DensDeck® products, USG Securock Gypsum-Fiber Roof Board has better compressive strength and flute spanability. Testing confirms that you can substitute a 3/8" USG Securock Gypsum-Fiber Roof Board for other 1/2" products and still achieve superior performance.

Compressive Strength, (psi)	0	450	900	1,350	1,800
3/8" USG Securock® Brand Gypsum-Fiber Roof Board					
1/2" GP DensDeck® Prime¹					

**A MORE ECONOMICAL  
PRODUCT CONT.**

Flute Spanability, (inches)	1	2	3	4	5
3/8" USG Securock® Brand Gypsum-Fiber Roof Board					5
1/2" GP DensDeck® Prime <sup>1</sup>					5

**EASIER HANDLING  
AND INSTALLATION**

USG Securock Glass-Mat Roof Board has a high quality glass-mat, making it less itchy and easier to work with. The high mat-to-core tensile bond strength also makes mat less likely to delaminate when cutting.

USG Securock Gypsum-Fiber Roof Board, with its uniform composition of gypsum and cellulose fibers, does not require a glass-mat facer for strength. This makes the panel easy to handle with no itchiness.

USG Securock Gypsum-Fiber Roof Board is ideal for fully adhered applications. It achieves high bond strength without the use of an additional primer. It also has very low surface absorption, giving additional installed cost savings on labor and materials.

USG Securock Cement Roof Board is the lightest cement board in the industry. Ideal for use as a cover board in system applications such as liquid-applied membranes or as a parapet, fire or thermal barrier roof board. It's easy to cut and fasten and is noncombustible.

**BEST CHOICE FOR ALL  
APPLICATIONS**

USG Securock high-performance roof boards go above and beyond to meet your needs for all applications.

Applications	USG Securock® Brand Gypsum-Fiber Roof Board	USG Securock® Brand Glass-Mat Roof Board	USG Securock® Brand Cement Roof Board
Single ply mechanically attached	Acceptable	Recommended	Acceptable
Single ply fully adhered	Recommended	Not Recommended	Acceptable
Modified Bitumen torch applied	Recommended	Not Recommended	Recommended
Modified Bitumen cold applied	Recommended	Not Recommended	Recommended
Modified Bitumen hot mopped	Recommended	Not Recommended	Recommended
Built-up roof	Recommended	Not Recommended	Recommended
Built-up roof hybrid	Recommended	Not Recommended	Recommended
Self adhered	Recommended	Not Recommended	Acceptable
Spray foam	Recommended	Not Recommended	Recommended
Thermal barrier	Acceptable	Recommended	Recommended
Fire barrier	Acceptable	Recommended	Recommended
Vapor barrier substrate	Acceptable	Recommended	Recommended

**ENVIRONMENTALLY  
FRIENDLY**

USG Securock Gypsum-Fiber Roof Board is the ideal choice for projects where high-recycled content is a priority. It is manufactured from a combination of synthetic gypsum and cellulose fibers. Synthetic gypsum is a byproduct from electrical plants. It is indistinguishable from natural mined gypsum rock in performance and quality, and its use in USG Securock Gypsum-Fiber Roof Board eliminates landfill waste. Likewise, the cellulose fibers are waste that are sourced locally from a packaging manufacturer. The final result is a high-performance roof board with over 95 percent recycled content, earning it Green Cross certification from Scientific Certification Systems.



- 1 Georgia-Pacific DensDeck® data taken from GP Lit. Item # 622602
- 2 Minimum per ASTM C1177, Georgia-Pacific DensDeck® data not provided in Lit. Item #622602

**PRODUCT INFORMATION**

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

**TRADEMARKS**

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**NOTE**

Products described here may not be available in all geographic markets. Consult your USG Company sales office or representative for information.

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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.

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