

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 97 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®
BRAND 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
Coefficient of thermal expansion, inches/inch • °F, per ASTM E831	8.5 x 10 ⁻⁶	8.5 x 10 ⁻⁶	8.5 x 10 ⁻⁶	8.5 x 10 ⁻⁶	8.5 x 10 ⁻⁶	8.5 x 10 ⁻⁶
Linear variation with change in moisture, inches/inch • % RH, per ASTM D1037	6.3 x 10 ⁻⁶	6.3 x 10 ⁻⁶	6.3 x 10 ⁻⁶	6.3 x 10 ⁻⁶	6.3 x 10 ⁻⁶	6.3 x 10 ⁻⁶
Mold resistance per ASTM D3273*	10	10	10	10	10	10
ASTM Standard	C1177	C1177	C1177	C1177	C1177	C1177

**USG SECUROCK®
BRAND 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. lb./ft.	80	40²	110	80²	120	90²	145
Water absorption, % max, per ASTM C473	10	10	10	10	10	10	10
Coefficient of thermal expansion, inches/inch • °F, per ASTM E831	8.0 x 10 ⁻⁶	8.0 x 10 ⁻⁶	8.0 x 10 ⁻⁶	8.0 x 10 ⁻⁶	8.0 x 10 ⁻⁶	8.0 x 10 ⁻⁶	8.0 x 10 ⁻⁶
Linear variation with change in moisture, inches/inch • % RH, per ASTM D1037	8.0 x 10 ⁻⁶	8.0 x 10 ⁻⁶	8.0 x 10 ⁻⁶	8.0 x 10 ⁻⁶	8.0 x 10 ⁻⁶	8.0 x 10 ⁻⁶	8.0 x 10 ⁻⁶
Mold resistance per ASTM D3273*	10	10	10	10	10	10	10
ASTM Standard	C1278	C1177	C1278	C1177	C1278	C1177	C1278

*ASTM D3273 Mold Resistance Testing: In independent lab tests conducted on USG Securock® Brand Gypsum-Fiber Roof Board and 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.