

### Meets the requirements of ASTM C 1278

#### Features

**Strength:** Engineered to provide high wind-uplift performance. Uniform composition providing enhanced bond strength of membrane systems with no risk of facer delamination.

**Fire Performance:** Provides excellent fire performance, and demonstrates exceptional surface burning characteristics. 5/8" thickness meets the requirements of Type X per ASTM C 1177.

**Moisture and Mold Resistance:** Integral water-resistant core scored a maximum "10" for mold resistance when tested per ASTM D 3273.



Component

**B**  
Cover Board

Multi-Ply  
Single Ply

Type

**GY**  
Gypsum

**LT**  
Low Thermal

**System Compatibility** This product may be used as a component in the following systems. Please reference product application for specific installation methods and information.

| Multi-Ply  | BUR |    | APP |     | SBS |    |    |    |
|--|-----|----|-----|-----|-----|----|----|----|
|  | HA  | CA | HW  | HA* | CA  | HW | SA | MF |
| Compatible with the selected Multi-Ply systems above |     |    |     |     |     |    |    |    |

| Single Ply  | TPO |    |    |    | PVC |    |    | EPDM |       |
|---|-----|----|----|----|-----|----|----|------|-------|
|   | MF  | AD | SA | IW | MF  | AD | IW | MF   | AD BA |
| Compatible with the selected Single Ply systems above |     |    |    |    |     |    |    |      |       |

Key: HA = Hot Applied CA = Cold Applied HW = Heat Weldable SA = Self Adhered MF = Mechanically Fastened IW = Induction Weld BA = Ballasted AD = Adhered

### Energy and the Environment

|       |                  |                                   |
|-------|------------------|-----------------------------------|
| LEED® | Recycled Content | Pre-Consumer: 97% (SCS Certified) |
|-------|------------------|-----------------------------------|

### Peak Advantage® Guarantee Information

| Systems   | Guarantee Term*    |
|---|--------------------|
| When used in most 2-5 ply multi-ply or single ply systems | 10, 15 or 20 years |

\* Contact JM Technical Services for specific systems or terms over 20 years.

### Codes and Approvals



### Installation/Application



Refer to the Application Guides and Detail Drawings for instructions.

### Packaging and Dimensions

| Sizes                           | 4' x 4' (1.22 m x 1.22 m)<br>4' x 8' (1.22 m x 2.44 m) |  |   |   |
|---------------------------------|--|--|---|---|
| Thickness (nom)                 | 1/4" (6.35 mm)   | 3/8" (9.5 mm)                                    | 1/2" (12.7 mm)                                | 5/8" (15.9 mm)                                |
| Weight/Board<br>4'x8' boards    | 50 lb<br>(22.68 kg)                                    | 63 lb<br>(28.58 kg)                              | 88 lb<br>(39.92 kg)                           | 102 lb<br>(46.27 kg)                          |
| Coverage/Pallet<br>4'x8' boards | 1,600 ft <sup>2</sup><br>(148.7 m <sup>2</sup> )       | 1,280 ft <sup>2</sup><br>(118.9 m <sup>2</sup> ) | 960 ft <sup>2</sup><br>(89.2 m <sup>2</sup> ) | 768 ft <sup>2</sup><br>(71.4 m <sup>2</sup> ) |
| Boards/Pallet<br>4'x8' boards   | 50   | 40   | 30  | 24  |
| Pallet Weight<br>4'x8' boards   | 2,575 lb<br>(1,168.0 kg)                               | 2,575 lb<br>(1,168.0 kg)                         | 2,725 lb<br>(1,236.0 kg)                      | 2,525 lb<br>(1,145.3 kg)                      |
| Pallets per Truck*              | 18   | 19   | 19  | 19  |
| Producing Locations             | Gypsum, OH   |  |   |   |

\* Assumes 48' flatbed truck.

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### Typical Physical Properties

| Test         | ASTM  | SECUROCK Gypsum-Fiber Roof Board |                      |              |              |              |
|--------------|---|----------------------------------|----------------------|--------------|--------------|--------------|
|              |   | ¼" (6.35 mm)                     | ⅜" (9.5 mm)          | ½" (12.7 mm) | ⅝" (15.9 mm) |              |
| Strength     | Compressive Strength, psi (kPa), <i>nom</i>                 | C 1278                           | 1,800 (12,411)       |              |              |              |
|              | Flexural Strength, lb, parallel, <i>min</i>                 | C 473                            | 40                   | 70           | 110          | 161          |
|              | Bending Radius, ft (m), <i>max</i>                          | NA                               | 25 (7.62)            | 25 (7.62)    | 25 (7.62)    | 30 (9.14)    |
| Moisture     | Moisture Vapor Permeance, perms (ng/(Pa•s•m²), <i>max</i> ) | E 96                             | 30 (1,716)           | 26 (1,487)   | 26 (1,487)   | 24 (1,373)   |
|              | Water Absorption, % by wt, <i>max</i>                       | C 473                            | 10                   |              |              |              |
|              | Surface Water Absorption, g, <i>nom</i>                     | C 473                            | 1.6                  |              |              |              |
|              | Mold Resistance   | D 3273                           | 10                   |              |              |              |
| Installation | Flute Span, in (cm), <i>max</i>                             | E 661                            | 2 5/8 (6.7)          | 5 (12.7)     | 8 (20.3)     | 10 (25.4)    |
|              | Weight, lb/ft² (kg/m²), <i>nom</i>                          | NA                               | 1.57 (7.67)          | 1.96 (9.57)  | 2.76 (13.48) | 3.20 (15.62) |
|              | Linear variation with change in moisture, in/in • %RH       | D 1037                           | 8 x 10 <sup>-6</sup> |              |              |              |
|              | Coefficient of Thermal Expansion, in/in • °F                | E 831                            | 8 x 10 <sup>-6</sup> |              |              |              |

### Thermal Performance

| Thickness | Nominal R-Value (Resistance) |     |                 |
|-----------|------------------------------|-----|-----------------|
|           | in.                          | mm  | (hr•ft²•°F)/BTU |
| ¼         | 6.35                         | 0.2 | 0.04            |
| ⅜         | 9.5                          | 0.3 | 0.05            |
| ½         | 12.7                         | 0.5 | 0.09            |
| ⅝         | 15.9                         | 0.6 | 0.11            |

| Test            | ASTM | SECUROCK Gypsum-Fiber Board |
|-----------------|------|-----------------------------|
| Flame Spread    | E 84 | 5                           |
| Smoke Developed | E 84 | 0                           |

Technical specifications as shown in this literature are intended to be used as general guidelines only. Please refer to the Safety Data Sheet and product label prior to using this product. The Safety Data Sheet is available by calling (800) 922-5922 or on the web at [www.jm.com/](http://www.jm.com/) roofing. The physical and chemical properties of the product listed herein represent typical, average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice. Check with the regional sales representative nearest you for current information.

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