

## Product Description:

Securock® Cement Roof Board is a high-performance roof board for use in low-slope roofing systems. It enhances the entire roof system as both a cover board and as a parapet, fire, or thermal barrier roof board. Because this product is cement-based, it provides superior compressive strength, water durability and mold resistance.

## Packaging:

Securock® Cement Roof Board is available in standard thicknesses of 1/2" and 5/8" x 4' x 8' panels.

## Features:

- Fire Performance: Meets Factory Mutual (FM) Class 1 and Underwriters Laboratories (UL) Class A fire ratings for unlimited slope in fire barrier applications per UL 790.
- Environmentally sustainable product—lower weight reduces embodied energy and embodied emissions.
- Easier to cut and fasten
- Will not rot, warp, delaminate or disintegrate
- Moisture and Mold: Integral water-resistant core provides moisture and mold resistance. Scored a maximum "10" for mold resistance on ASTM D3273.
- Covered component under the IB Total Systems Warranty

## Application:

Securock® Cement Roof Boards can be installed over approved substrates in mechanically attached, induction attached, fully adhered roof assemblies. As a parapet, fire, or thermal barrier roof board, Securock® Cement Roof Board has an unlimited slope noncombustible. Refer to IB Specifications and Construction Details for additional installation instructions.

## Moisture Management:

Keep Securock® Cement Roof Board panels dry before, during and after installation. Securock® Cement Roof Board should not be installed during rains, heavy fogs, frost, and any other conditions that deposit moisture on the surface of the board. Apply only as much Securock® Cement Roof Board that can be covered by final roof membrane system in the same day. Avoid exposure to moisture from leaks or condensation. Plastic or poly packaging applied at the plant to protect board during rail or other transit should be removed upon receipt to prevent condensation or trapping of moisture, which may cause application problems.

## Approvals:

- ASTM C1325
- UL 790 Classification
- FM Approved
- Meets FM Class 1
- FM Standards 4450 and FM 4470



| Typical Physical Properties*  |                        |                        |
|---|------------------------|------------------------|
| Property  | 1/2"                   | 5/8"                   |
| Thickness, nominal  | 1/2"                   | 5/8"                   |
| Pieces per unit for 4' x 8' sheet                                   | 30                     | 24                     |
| Weight, nominal, lb. / sq. ft.                                      | 2.4                    | 3.0                    |
| <sup>1</sup> R-value  | .39                    | .49                    |
| <sup>2</sup> Flexural Strength, parallel, psi min.                  | >750                   | >480                   |
| <sup>3</sup> Flute Spanability                                      | 12"                    | 12"                    |
| <sup>4</sup> Permeance, perms                                       | 5.84                   | 5.84                   |
| <sup>5</sup> Linear Variation with Change in Moisture, %, per D1037 | <0.07                  | <0.07                  |
| <sup>6</sup> Water Absorption, % max, per ASTM C473                 | <15                    | <15                    |
| Compressive Strength, psi, nominal                                  | >1000                  | >1000                  |
| <sup>7</sup> Coefficient of thermal expansion, inches/inch/°F       | 4.5 x 10 <sup>-6</sup> | 4.5 x 10 <sup>-6</sup> |
| <sup>8</sup> Flame Spread   | 5                      | 5                      |
| <sup>9</sup> Smoke Development                                      | 0                      | 0                      |
| Bending Radius  | 6'                     | 6'                     |

1. Tested in accordance with ASTM C518 (heat flow meter).  
 2. Tested in accordance with ASTM C947  
 3. Tested in accordance with ASTM E661.  
 4. Tested in accordance with ASTM E96 (dry cup method).  
 5. Tested in accordance with ASTM D1037.  
 6. Tested in accordance with ASTM C473.  
 7. Tested in accordance with ASTM E831  
 8. Numerical ratings are not intended to reflect performance under actual fire conditions. Flame spread index of ≤ 75 and smoke development.  
 \* Physical properties shown are based on data obtained under controlled conditions and are subject to normal manufacturing tolerances.

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