

Meets the requirements of ASTM C 728, Type 3

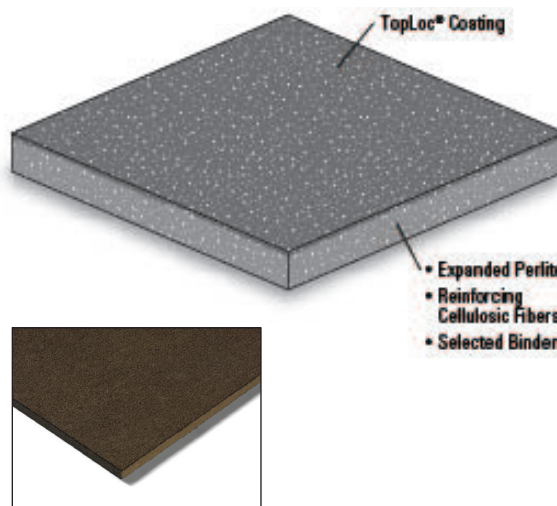
Features

TopLoc® Coating: Top surface is sealed with this special coating to reduce excessive adhesive absorption in hot-asphalt and cold applied roofing systems, and to provide a strong surface for bonding bituminous membranes.

Expanded Perlite: Provides good dimensional stability, excellent insulation value with stable R-value and superior fire resistance.

Reinforcing Cellulosic Fibers: Consists of recycled newsprint to provide strength to the board as well as high recycled content. JM utilizes third party certification by UL environment to certify the recycled content and contributes to the LEED Materials and Resource (MR) credit 4.

High Density: Provides additional strength and durability over 1/2" Retro-Fit Board with low moisture content and water resistance compared to wood fiber board.



| |
|---------------------------|
| Component |
| B Cover Board |
| Multi-Ply Single Ply |
| Type |
| PL Perlite |
| LT Low Thermal |
| HD High Density |

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 | CA | HW | HA | CA | HW | SA |
| 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 | 40% average <small>For post and pre-consumer recycled content percentages, visit the RetroPlus Roof Board product page on the JM roofing Web site.</small> |
|-------|------------------|---|

ENVIRONMENTAL CLAIMS VALIDATION
✓ RetroPlus™ Roof Board contains an average of 40% recycled content.

Installation/Application



Refer to the Application Guides and Detail Drawings for instructions.

Peak Advantage® Guarantee Information

| Systems | Guarantee Term* |
|--|-------------------|
| When used in most 2-5 ply multi-ply and single ply fully adhered and ballasted systems | 10,15 or 20 years |
| When used in single ply, mechanically fastened systems | 10 and 15 years |

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

Codes and Approvals



Packaging and Dimensions

| Sizes | 4' x 4' (1.22 m x 1.22 m) | 4' x 8' (1.22 m x 2.44 m) |
|--------------------------|------------------------------------|------------------------------------|
| Thickness, <i>nom</i> | 1/2" (1.27 cm) | |
| Board Weight, <i>nom</i> | 9.9 lb (4.54 kg) | 19.8 lb (9.07 kg) |
| Coverage/Pallet | 15.4 squares (143 m ²) | 30.8 squares (285 m ²) |
| Boards/Pallet | 96 | 96 |
| Pallet Weight (lbs) | 950 | 1,900 |
| Pallets per Truck* | 48 | 24 |
| Producing Location | Rockdale, IL | |

* Assumes 48' flatbed truck.

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Typical Physical Properties

| Test | ASTM | RetroPlus Roof Board |
|---------------------|--|----------------------|
| Strength | Board Density, pcf (kg/m ³), <i>nom</i> | C 209 14.5 (225) |
| | Compressive Strength 5% Consolidation, psi (kPa), <i>nom</i> | C 165 60 (414) |
| | Laminar Tensile Strength, psi (kPa), <i>nom</i> | C 209 16 (110) |
| | Flexural Strength, psi (kPa), <i>nom</i> | C 203 225 (1,551) |
| | Break Load, lbs (kg), <i>nom</i> | C 203 10 (4.54) |
| Moisture | Moisture Content, wt%, <i>nom</i> | N/A 2.0 |
| | Water Absorption, % by vol, <i>max</i> | C 209 3.5 |
| Installation | Linear Expansion, % <i>max</i> | C 209 0.5 |
| | Weight per ft ² , lbs, <i>nom</i> | NA 0.6 |

Thermal Performance

| Test | Thickness | | Nominal R-Value (Resistance) | |
|-----------------|-----------|-----------------|------------------------------|----------------------|
| | in. | mm | (hr•ft ² •°F)/BTU | m ² •°C/W |
| | ½ | 13 | 1.30 | 0.22 |
| Test | ASTM | RetroPlus Board | | |
| Flame Spread | E 84 | 35 | | |
| Smoke Developed | E 84 | 10 | | |