EnergyGuard™ Perlite Recover Board

Updated: 7/17
ENERGYGUARD™ PERLITE RECOVER BOARD

Description
EnergyGuard™ Perlite Recover Board is a heavier duty 1/2" (13 mm) thick perlite roof insulation board composed of expanded perlite, cellulose binders, and waterproofing agents. It is treated for surface retention of bitumen and available in 2' x 4' (610 mm x 1.22 m), 4' x 4' (1.22 m x 1.22 m), and 4' x 8' (1.22 m x 2.44 m), with a nominal thickness of 1/2" (13 mm).

Uses
- Meets the requirements of ASTM C728, Type 2.
- In reroofing as a base for a variety of membranes installed over failed or worn-out roof systems.
- As a top layer in two-layer systems.
- As an overlay board where an existing roof insulation is still functioning and should be retained.
- Where a tear-off would create unwarranted risks to operations or materials in the building.
- To separate a new membrane from a rough or irregular deck.
- Properly installed, EnergyGuard™ Perlite Recover Board roof insulation is suitable for use under built-up and modified bitumen roofing systems.

Advantages
- Economical base for reroofing.
- Protects new roofs from old roof problems.
- Lower installed cost than tear-offs.
- Dimensionally stable.
- Better for the environment — the average recycled content is 39% by weight.

Limitations
- Old roofing systems must be thoroughly dried and secured before Recover Board is applied as a part of a new roof system.
- Recover Board is not acceptable for applications where it will be directly exposed to continuous soaking or temperatures in excess of 250°F (121.1°C).
- EnergyGuard™ Perlite Recover Board should be stored dry and be protected from the elements. Once properly loaded at the job site, remove factory wraps and cover with a breathable tarp.
- No more insulation should be applied than can be completely covered with finished roofing on the same day.
- Do NOT use under fully adhered single-ply systems or with direct torch application of modified bitumen.

Limitations (Continued)
- Do NOT mechanically attach 1/2 inch (13 mm) recover board directly to steel decks.

Application
Recover Board can be secured by mechanical fastening or hot asphalt. If the deck is non-nailable, strip mopping is recommended to allow for moisture pressure release. Solid mopping with asphalt should not be used for re-cover or retrofit applications. Refer to the application specifications in the current membrane manufacturer’s application and specifications manual for proper installation procedures.

WARNING: DO NOT EXPOSE TO OPEN FLAME OR EXCESSIVE HEAT. MAY SMOLDER IF IGNITED. IF IGNITED, EXTINGUISH COMPLETELY.

Code Compliance

Typical Physical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water Absorption, % by Volume – 2 hours</td>
<td>3.5 max.</td>
<td>ASTM C209</td>
</tr>
<tr>
<td>Compression Resistance 5% Consolidation – psi (kPa)</td>
<td>35 (241)</td>
<td>ASTM C165</td>
</tr>
<tr>
<td>Laminar Tensile Strength — psi (kPa)</td>
<td>6.0 (41)</td>
<td>ASTM C209</td>
</tr>
<tr>
<td>Flexural Strength — psi (kPa)</td>
<td>60 (414)</td>
<td>ASTM C203</td>
</tr>
<tr>
<td>Product Density —pcf (kg/m³)</td>
<td>12 (192)</td>
<td>ASTM C209</td>
</tr>
<tr>
<td>Lineal Expansion</td>
<td>0.5% max.</td>
<td>ASTM C209</td>
</tr>
<tr>
<td>Flame Spread</td>
<td>30</td>
<td>ASTM E84</td>
</tr>
<tr>
<td>Smoked Developed</td>
<td>20</td>
<td>ASTM E84</td>
</tr>
</tbody>
</table>

Note: Physical and thermal properties shown are based on data obtained under controlled laboratory conditions and are subject to normal manufacturing tolerances.