ThermalStar EIFS has been designed specifically for superior performance with EIFS systems. Vacuum molded and heat treated for superior dimensional stability, ThermalStar EIFS is the preferred insulation underlayment for EIFS systems, and is specifically listed in many EIFS coating system code reports including STO, Dryvit, Senergy and Parex.

<table>
<thead>
<tr>
<th>Property &amp; ASTM Test Method</th>
<th>ASTM Test Method</th>
<th>ThermalStar EIFS 10</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compressive Strength (minimum psi) at 10% Deformation</td>
<td>D1621</td>
<td>10</td>
</tr>
<tr>
<td>R-value (minimum) at 75°F mean temp</td>
<td>C518</td>
<td>3.9</td>
</tr>
<tr>
<td>R-value (minimum) at 40°F mean temp</td>
<td>C518</td>
<td>4.2</td>
</tr>
<tr>
<td>R-value (minimum) at 25°F mean temp</td>
<td>C518</td>
<td>4.4</td>
</tr>
<tr>
<td>ASTM Classification</td>
<td>C578</td>
<td>Type I</td>
</tr>
<tr>
<td>Coefficient of Linear Expansion (in/in/ºF)</td>
<td>C578</td>
<td>0.000035</td>
</tr>
<tr>
<td>Flexural Strength (minimum psi)</td>
<td>C203</td>
<td>25</td>
</tr>
<tr>
<td>Water Absorption % by volume, maximum after 24 hr immersion</td>
<td>C272</td>
<td>3.0</td>
</tr>
<tr>
<td>Water Vapor Permeance at 1” Thick (perms)</td>
<td>Typical E96</td>
<td>2.5</td>
</tr>
<tr>
<td>Surface Burning- Flame Spread and Smoke Developed</td>
<td>E84</td>
<td>Flame Spread 20, Smoke Developed 400 [meets code]</td>
</tr>
<tr>
<td>Maximum Use Temperature</td>
<td>-</td>
<td>Short Term (10-15 minutes) 180°F, Long Term 165°F</td>
</tr>
<tr>
<td>Billet Conditioning- 5 Day Hot Room at 140°F</td>
<td>E2430</td>
<td>Complies</td>
</tr>
</tbody>
</table>

Standard features include:
- Standard Size: 2’x4’ sheets, with thicknesses available 1/2” to 6”
- R-values available from R2 to R23
**Advantages of ThermalStar EIFS:**

**STABLE R-VALUE:**
While XPS products have a higher initial R-value, ThermalStar EIFS’ thermal properties do not degrade over time, allowing the R-value to remain the same over its entire service life.

**LONG TERM MOISTURE RESISTANCE:**
The coefficient of water absorption is a property used to define a building material’s likeliness to soak up water, with a sponge having a value of 1.0. In comparison, ThermalStar EIFS has a coefficient of zero.

**ENVIRONMENTALLY FRIENDLY:**
XPS utilizes HCFC gases in its insulating cells to achieve an initial higher R-value and has an extremely high global warming potential (GWP) of 1430, whereas the insulating cells of ThermalStar EIFS simply contain air, providing an environmentally friendly solution with a GWP of zero.

**RECYCLABLE:**
ThermalStar EIFS is readily accepted for recycle. Visit epspackaging.org to locate a drop-off location nearest you.

**FIGURE 1:**
Typical EIFS installation shown below

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**INSTALLATION AND HANDLING**
ThermalStar EIFS can be handled much the same as any other foam or wood sheathing, using similar tools or a simple utility knife to customize panels to fit the application.

**SAFETY**
SDS for this product are available at AtlasMoldedProducts.com. Dust generated from sanding or cutting ThermalStar EIFS should be avoided using a dust mask. ThermalStar EIFS insulation is combustible and the product should be protected from ignition sources such as open flames or welder’s torch. Applications not specifically listed in UL ER16529.1 require permanent separation of ThermalStar EIFS insulation from the interior of the building by a thermal barrier such as drywall or concrete for fire safety.

**WARRANTY**
ThermalStar EIFS Insulation is backed by a limited lifetime warranty for physical and thermal performance.

**CODE COMPLIANCE**
ThermalStar EIFS insulation complies with the model building codes when properly installed:
- Surface Burning – UL BRYX.R16529
- Physical Properties – UL QORW.R16529
- CAN/ULC S102.2, S701 – ULC BOZCC.R16529
- International Energy Conservation Code
- International Residential Code (IRC) – ICC-ES ESR-1962, UL16529-1
- ASTM C578 – See product marketing for Type I
- Cal Std Reg #CA472

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**Setup ThermalStar Nailbase on Your Next Project!**

**ThermalStar®**
Rigid Insulation

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