Krypton Gas Molecules
Air has a thermal conductivity of 0.014 BTUs per square foot per hour for every degree Fahrenheit difference in temperature at room temperatures. If we can replace that air with a lower-conductivity gas, we can slow the heat loss through windows. Krypton has a conductivity of 0.0051, which is 63% lower than that of air—and it is, by far, the most common low-conductivity gas for windows.

Do I Really Want Radioactive Windows?
Posted April 03, 2012 11:12 AM by Alex Wilson
http://www2.buildinggreen.com/blogs/do-i-really-want-radioactive-windows

Insulating Foam
Increases your energy savings.
Lowers the U-Value which increases thermal performance.
Increases the R-Value.
Recognized as the Most Efficient of ENERGY STAR® 2018

1) Product must be ENERGY STAR qualified consistent with applicable ENERGY STAR Partner Commitments and the requirements set forth in the latest version of the ENERGY STAR Program Requirements Eligibility Criteria for Windows Version 5.0. Product performance (U-factor and SHGC) must be certified by an EPA-recognized certification body.

2) Products must be independently certified to meet the North American Fenestration Standard/Specification (NAFS) with a Performance Grade ≥ 15. Acceptable certification bodies shall be accredited to operate in accordance with ISO/IEC Guide 65, by an accrediting body that is a signatory to the International Accreditation Forum Multilateral Recognition Agreement that operates in accordance with ISO/IEC 17011. NAFS certification does not require an EPA-recognized certification body.

3) Products must meet the applicable requirements shown in the table above:

Note: SHGC = Solar Heat Gain Coefficient

**Climate Zone**

<table>
<thead>
<tr>
<th></th>
<th>U-Factor</th>
<th>SHGC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Northern</td>
<td>0.20</td>
<td>≥ 0.20</td>
</tr>
<tr>
<td>North-Central</td>
<td>0.20</td>
<td>≤ 0.40</td>
</tr>
<tr>
<td>South-Central</td>
<td>0.20</td>
<td>≤ 0.25</td>
</tr>
<tr>
<td>South</td>
<td>0.20</td>
<td>≤ 0.25</td>
</tr>
</tbody>
</table>

**Energywall Windows**

**EnergyWeld** Double Hung

**Foam Fill**

**Black Intercept** Stainless

**Extreme Plus² with Krypton**

*ENERGY PERFORMANCE RATINGS*

**ENERGY STAR® Qualified In All 50 States**