Premium Reflective Insulation
Why EVRshield?

EVRshield is Distribution International’s reflective insulation for metal buildings in commercial and agricultural applications. EVRshield has a fiberglass core which provides an energy-efficient solution for heat transfer while providing a high R-Value. Fiberglass cores provide excellent thermal performance, condensation control, and are more fire resistant than plastic or bubble pack cores.

The reflective facing is bonded to the fiberglass with a uniform adhesive using patent pending heat seal technology. EVRshield’s heat sealing process results in a strong, rigid product which resists delamination as compared to hot-melt or water-based facing applications. EVRshield’s fabrication technique results in a board-like appearance not found in most rolled insulation products.

Features and Benefits

- High R-Values
- Rigid, Board-like appearance
- Class A/Class 1 fire rating
- Highly durable one piece bond
**AGRICULTURAL BUILDINGS**

Proven to increase thermal control and reduce mortality rates in agricultural applications, EVRshield is also rodent and bird resistant. Addressing radiant heat gain has been shown to lower heat stress in livestock and poultry resulting in higher production and longer life spans. *EVRshield is a lightweight solution designed for easy installation and provides protection for your agricultural assets.*

> *Donald, Jim. “Need for insulation in warm-climate poultry housing.” Poultry Ventilation Pointers Series (1999).*

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**COMMERCIAL BUILDINGS**

EVRshield is designed to lower energy costs while improving comfort through management of all three modes of heat transfer: radiation, conduction, and convection.

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**Protect your investment.**

**Insist on EVRshield for your next metal building!**
EVRshield performance advantage

Thermal imaging, performed by a Flir-certified professional, shows a performance comparison of EVRshield’s insulation properties as compared to a plastic-core reflective insulation. Located in Honduras, in phase I of the project a metalized polyester-faced plastic core reflective insulation was installed in 60,000 square feet of building space. When a 60,000 square foot addition was completed, bringing the total building space to 120,000 square feet, EVRshield was installed in the same manner, creating the perfect opportunity to do a side-by-side comparison. On the day these images were captured, the ambient exterior temperature was 88°F. The below images clearly demonstrate the performance advantages of EVRshield, which shows temperatures that are approximately ~4% cooler than the comparable metalized polyester-faced plastic core material.

### EVRSHIELD PERFORMANCE

![Thermal Imaging](image1)

### PLASTIC CORE TEST

![Thermal Imaging](image2)

### THERMAL AND FIRE DATA

<table>
<thead>
<tr>
<th>EVRshield Foil/Foil</th>
<th>EVRshield White/Foil</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Physical Properties</strong></td>
<td><strong>Values</strong></td>
</tr>
<tr>
<td>Flame Spread</td>
<td>20</td>
</tr>
<tr>
<td>Smoke Developed</td>
<td>10</td>
</tr>
<tr>
<td>Full Scale Corner Room</td>
<td>PASS</td>
</tr>
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<td><strong>Thermal Performance</strong></td>
<td><strong>Values</strong></td>
</tr>
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