

AstroShield Frequently Asked Questions (FAQs):

Q: What types of applications are appropriate for ASTROSHIELD REFLECTIVE INSULATION?

A: There are many applications for the **building** industry (e.g., residential, industrial, commercial and agricultural). In addition, since the products are thin and lightweight, they are ideal for **OEM** applications to control temperatures in any space-constricted situation (such as in a recreational vehicle or inside machinery that requires temperature control in order to function properly). Used as a **packaging material**, Astro-Shield not only provides excellent thermal performance for shipping or transporting temperature-sensitive items like food, candles and pharmaceuticals, it also helps customers save money on shipping and warehouse expenses. They are lightweight and less bulky than other forms of insulated packaging such as Styrofoam.

Q: What is the difference between ASTROSHIELD and ASTROSHIELD WHITE?

A: AstroShield has a reflective metalized aluminum film on both sides, and AstroShield White has one reflective side and one white side. For some applications, it's desirable to have just one reflective side. In addition, we offer versions of AstroShield and AstroShield White with one layer of bubble film ([Astro-Shield I](#)) or two layers of bubble film ([Astro-Shield II](#)); the second layer of bubble film is associated with a higher R-Value.

Q: What is the R-value of ASTROSHIELD?

A: Using standard test methods and scientific model calculations, the R-value could be as high as an R-29 but will vary greatly depending upon the application and the direction of heat flow.

Q: If you install two layers of ASTROSHIELD will you double the R-Value?

A: No. By placing two layers together, you will have still the same number of reflective surfaces. The only additional R-Value you will achieve is the additional R-Value of the added bubble layer.

Q: Does ASTROSHIELD make a person itch as fiberglass insulation does?

A: No. ASTROSHIELD is manufactured out of polyethylene film, air bubbles and metalized aluminum on polyester film. There are no irritants or fibers. ASTROSHIELD can be installed without the hassles of protective clothing, masks or gloves.

Q: Do I need special tools to install ASTROSHIELD?

A: No. ASTROSHIELD can be cut easily with a razor blade or scissors and installed with common staples, nails or screws.

Q: Do I need to tape the seams?

A: To achieve an absolute moisture barrier, taping the seams is recommended. Seams can be easily taped using reflective aluminum tape.