



CHOICES, FEATURES, COMPARISONS & BENEFITS

American walk-in cooler foamed in place polyurethane panels are 4" thick polyurethane having been laboratory certified at an R-value of 37* which exceeds all current Federal and State standards for use in coolers and freezers.

Engineered aluminum molds are used to hold preformed metal skins in position. Sturdy cam-lock mechanisms are inserted at uniform positions. Polymeric Polyisocyanate is mixed in precise proportions with a resin and environmentally safe expansion agent as it flows into the prepared mold. A chemical reaction occurs to expand the polyurethane compound throughout the mold eliminating all voids. The mixture then cures to form a tenacious bond with the metal skins and locking mechanisms. The resulting hi-density panel has incredible flexural strength which eliminates the need for structural wood support and framing still used by some of our competitors. By eliminating this need for support (old style construction), our panel is 100% polyurethane insulation, and up to 17% more energy efficient on average.

Benefits:

- 1. Insulation Excellence:** At the core of all AWIC walk-in cooler boxes lies a layer of premium insulation. This insulation is composed of high-density polyurethane foam. This robust material is not only an excellent thermal insulator but also exceptionally durable, ensuring that your cooler or freezer maintains consistent temperatures and energy efficiency.
- 2. Exterior Structure:** The outer shell of our walk-in cooler boxes is constructed from durable materials like galvanized steel or stainless steel. These materials offer exceptional strength and resistance to corrosion, ensuring longevity in demanding environments.
- 3. Interior Surfaces:** The inner surfaces of all our walk-in coolers and freezer are designed with food safety and cleanliness in mind and are NSF / UL approved. Easy-to-clean, resist staining, odors, and bacterial growth, making them ideal for food storage.
- 4. Doors and Seals:** AWIC walk-in cooler doors are crafted to provide an airtight seal. Our doors are made of heavy-duty materials with reinforced steel or aluminum. The gaskets surrounding the doors are made of high-quality, food-safe materials to ensure a tight seal, preventing temperature fluctuations and energy waste.
- 5. Flooring:** All Insulated metal floor come standard with an 1200lbs rating essential for load bearing and durability. Using reinforced materials designed to withstand the weight of inventory and equipment. The flooring is also engineered to be slip-resistant for added safety.
- 6. Cooling Units:** While not a material per say, AWIC is the refrigeration equipment OEM supplying Russell or Heatcraft systems both are the highest of quality in the industry designed with cutting-edge technology to provide precise temperature control and energy efficiency.

In summary, American Walk in Coolers are meticulously crafted from a combination of premium materials chosen for their durability, insulation properties, and food safety standards. These materials work together to create a controlled environment that preserves the quality and safety of your inventory.