INSULATED METAL PANELS



Interior of IMP CA Room w/ MPSealer & HDPE Base Board



Grow Room Fit-Out with GC IMP & Refrigeration Technology

The insulated metal paneling solution offered by Grow Controlled is intended to improve the experience of both traditional grow and more rigorous controlled atmosphere (CA) applications. Touting an R34 insulation rating that won't deteriorate over time makes them an extremely efficient and smarter alternative to traditional insulation or spray foam, and most importantly stops vapor drive, enabling RH control.

IMP construction is comprised of galvalume sheeting on either side of a rigid closed cell core of Pluisocyanurate (PIR) or new QuadCore™ insulation for improved R-value and fire-resistance. With standard 42" and 45" widths, panels can be manufactured in up to 80' lengths. The tongue and groove connection between panels makes for easy installation. Additionally, the steel sheeting on the panel's faces do not connect, thereby breaking thermal transfer. This means that a single panel wall may be used to partition two rooms with no additional insulation or structural support required, cutting down on materials & installation costs, as well as maximizing internal floor space.

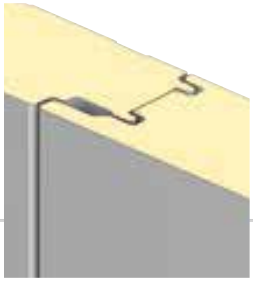
In order to make rooms air-tight, a flexible and permanent seam tape is applied to the interior panel joints. Then, to insure a perfect seal and protection from condensation, the tape is painted over with a flexible seam paint. This allows the panels to move in their natural expansion/contraction without compromising the seal.

The panels are semi-structural by nature, so while they are not intended to serve as exterior structural supports, they are capable of creating self-supporting rooms/hallways within a new or existing structure.

Maintenance on the panels is negligable and certainly less than with traditional room construction methods. The panels have a natural resistance to mold/fungi, but when cleaning is required, they may be washed easily. The upgraded finish and smooth texture of interior faces allow for even greater resistance to wear associated with cleaning, and offer fewer places for spores to collect.

FEATURES

- Perfect for both Typical and CA Grow Applications
- High-Density PIR QuadCore™, High R-Value Foam Cores
- 42" & 45" Widths; Up to 80' Lengths
- Will Not Lose R-Value Over Time
- Tongue & Groove Connection *(See Right)*
- Water/Air Tight with Minimal Thermal Transfer/Vapor Drive
- Semi-Structural, Suitable for Exterior & Interior Walls
- Easily Washable with Little to No Additional Maintainance





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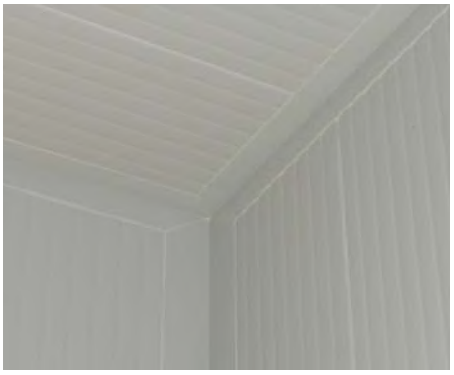
ceiling support solutions



dry room hallway

interior room finishes







ribbfill seam paint





mpsealer joint seal

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