

FOX BLOCKS INSERT R8-PANEL

How do you improve an Insulated Concrete Form wall that already out-performs most wall systems in all climates? You move the concrete mass toward the living side of the wall. This unbalanced R-value will allow the mass to be closer to the living temperature of the conditioned space allowing for a more comfortable building.

The Fox Blocks design team had two goals: 1) Move the mass away from the harsh temperatures and 2) Increase R-value. Each Insert R8-Panel is 48" wide, 16" tall, 2" thick and profiled to fit within all Fox Blocks. The Insert R8-Panel is used to ensure an R-8 boost to the already high R-Value of Fox Blocks.



SIZING AND ACTUAL R-VALUE

6" Block + 1 Energy Panel (R-30+) = 4" Concrete
 8" Block + 1 Energy Panel (R-30+) = 6" Concrete
 8" Block + 2 Energy Panels (R-39+) = 4" Concrete
 10" Block + 1 Energy Panel (R-30+) = 8" Concrete
 10" Block + 2 Energy Panels (R-39+) = 6" Concrete
 10" Block + 3 Energy Panels (R-48+) = 4" Concrete
 12" Block + 1 Energy Panel (R-30+) = 10" Concrete
 12" Block + 2 Energy Panels (R-39+) = 8" Concrete
 12" Block + 3 Energy Panels (R-48+) = 6" Concrete

** This represents the overall average wall R-value. As an example in wood frame construction a wall with R-19 batt insulation will have an overall average wall R-value of less than R-16 due to thermal bridging.*



USING THE ENERGY PANEL:

1) INSTALLATION:

Simply insert the Insert R8-Panel between the plastic ties and to the outside face of wall after every row of blocks have been placed.

2) CORNER BLOCKS:

Fox Block corners are naturally thicker eliminating the need to insert the Insert R8-Panels from the corner tie on. From the last straight tie to the corner tie you will need to wedge the Insert R8-Panel in place. A spot of expanding foam will also help to secure the Insert R8-Panel from movement.

3) OPENINGS/STACKED SEAMS:

Simply cut the Insert R8-Panel to fit in locations that are narrower than 48". Use expanding foam to hold the cut end of the Insert R8-Panel.

4) RANGE OF USE:

The Insert R8-Panel will fit all Fox Blocks.

5) ESTIMATING:

One panel for each block ordered.