

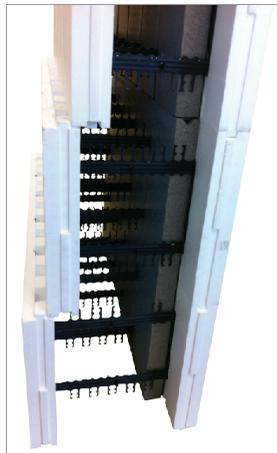
THE FOX BLOCKS ENERGY STICK



6110 Abbott Drive
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 1-877-369-2562
 www.foxblocks.com

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 three goals: 1) Move the mass away from the harsh temperatures; 2) Increase R-value; and 3) Build in reflective insulation. Each Energy Stick is 8" wide, 32" tall, 2" thick and profiled to fit within all Fox Blocks. The reflective graphite coated Expanded Polystyrene is used to ensure an R-9 boost to the already high R-value of the Fox Blocks.



SIZING AND ACTUAL R-VALUE

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

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

USING THE ENERGY STICK:

1) INSTALLATION:

Simply insert the patent pending Energy Sticks between the plastic ties and to the outside face of wall after every two rows of blocks have been placed.

2) CORNER BLOCKS:

Fox Block corners are naturally thicker eliminating the need to insert Energy Sticks from the corner tie on. From the last straight tie to the corner tie you will need to wedge the Energy stick in place. A spot of expanding foam will also help to secure the Energy Stick from movement.

3) OPENINGS/STACKED SEAMS:

Simply cut the Energy Stick to fit in locations that are narrower than 8". When larger than 8" use expanding foam to hold cut Energy Sticks.

4) RANGE OF USE:

The Energy Stick will fit all Fox Blocks.

5) ESTIMATING:

3 Energy Sticks for every block ordered.
 One box = 36 Energy Sticks
 One box of Energy Sticks will fill 12 blocks



6) MAN HOURS:

Allow 4 minutes per box when inserting for the first time (= 950 square feet of wall per hour or .001 man hours per square foot)

7) BUNDLE SIZES:

Each box of 36 Energy Sticks = approximately 24" x 24" x 33"

ENERGY STICK FACTS

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00338A Tech Doc-Energy Stick.pdf

BASE

The bottom of each Energy Stick has been shaped to insert into the top of the previous Energy Stick. The projection is 1/2" which is the same height as the projections on the block. This way if the projection is left on the bottom of row one, the Energy stick will rest on the footing or slab.



TOP

The top of each Energy Stick has a recess to accept the bottom of the next Energy Stick. This eliminates movement during concrete placement.



CONNECTION

The top of every Energy Stick has been designed to fit snug between the ties. The lower 18" has been designed to slide into the block loosely to increase production and then guide itself to connect to the top of the previous Energy Stick.



SHOULDER

Every Energy Stick has a specially designed shoulder as a stop to ensure every Energy Stick locks into the proper location.



FOX 1440

The Energy Sticks have been designed to work well in the solid Fox Blocks line as well as the 1440 line.



R-VALUE

Each Energy Stick layer will add R-9 to the wall. You can insert the energy stick on one or two faces to achieve the R-value desired. As an example you could add three Energy Stick layers into the 12" block giving as much as R- 48+ with 6" of concrete!



ADDED BONUS

Fastening point stays consistent with standard blocks. No need for long screws for any attachments!



ENERGY STICKS IN USE *Patent Pending*

Energy Sticks have been field tested. The example above shows a wall that was 9 rows high which meant the top row used Energy Sticks that were cut in 1/2. Energy Sticks are marked with a cut line for jobs that have an odd number of rows.

