

FOR CONTRACTORS

# REWARD WALL



## CREATING AN ENERGY-EFFICIENT BUILDING MEANS STARTING WITH THE BUILDING ENVELOPE.

We're ready to train you in building a structure that will achieve the highest-possible performance  
are you ready to accept the Reward Wall challenge?



# WE'RE PROUD TO TELL YOU ABOUT THE MOST ENERGY-EFFICIENT WALL SYSTEM CURRENTLY ON THE MARKET.

You want a building envelope that resists harmful mold, dust, and allergens – and holds up to powerful winds, storms, and fire damage. You want straight, square, steel-reinforced concrete walls.

## WHY DO CONTRACTORS LOVE THE REWARD WALL SYSTEM?



### QUICK FACTS:

- Density: 1.5 lbs per cubic foot
- R-value per inch of EPS: 4.17
- K-factor per inch of EPS: 0.24
- Compression strength of EPS: 19-23 psi
- Water absorption rate: Less than 2% (with minimal moisture effects on R-values)

**QUICK INSTALLATION:** The beveled interior edges make it easy to assemble and the open 1” tooth design reduces dirt, debris and ice.

**LESS WASTE:** There's no top, bottom, right side or wrong side – even the cut pieces can be reused.

**IMPRESSIVE STRENGTH:** Trust the 6” horizontal center ties and 8” vertical center ties to hold up during any concrete pour.

**MINIMAL BRACING:** You'll get a straighter, truer structure with minimal bracing – even around doors, windows and corners.

**FLEXIBLE REBAR POSITIONING:** Choose between inside, middle and outside rebar positioning, plus stagger or alternate rebar positioning on different courses.

**SNAP & GO CONVENIENCE:** Don't worry about improperly bent or crooked rebar. The snap-in design allows you to overlap ends or two pieces of horizontal rebar at once.

**QUICK-FLOWING CONCRETE:** Eliminate deflection between ties and the block and reduce damming with the open tie design.

**FINISH THE JOB FASTER:** It's easy to create channels for wiring and plumbing with a router or hot knife and iForms accept any interior and exterior finishes without extra prep.

Choose from two different sizes (11” and 13”). It also comes in four different configurations (straight, 90°, 45° corners and “T” wall). The reinforcement system is designed for use both above grade and below grade.

# iFORM™ FLAT WALL INSULATING CONCRETE FORMS FACT SHEET

**Description:** Universal – no top or bottom; no left or right corners. iForm is constructed with two opposing panels of Expanded Polystyrene (EPS), held together with polypropylene ties. The flat configuration of the concrete within the forms provides walls that are straight, true, square and plumb. The ties are positioned every 6” and serve as furring strips, top to bottom, recessed ½” below the surface of the EPS. The ties allow for rebar to be snapped in place in five different locations within the wall, two deep and with a loose fit that eliminates rebar strain.

**Application:** iForm is designed for use both above and below grade. The majority of all construction today is to the eaves in multi-story use, both commercial and residential.

**Specifications:** All iForms are 16” high, weigh approximately 5 lbs and contain ties 6” on center.

	11” iForm				13” iForm	
	Straight	90°	45°	Ledge Form	Straight	90°
Length	48”	27”	22”	48”	48”	29”
Return	-	15”	10”	15.5”	-	17”
Concrete Thickness	6”	6”	6”	6”	8”	8”
Surface Area sq. ft.	5.33	4.67	3.55	5.33	5.33	5.11
Concrete Vol. 1 yd/# Forms	10	15.7	16.5	33 corbels	7.5	11

**xLerator™ Rapid Reinforcement:**

- A galvanized welded wire reinforcement piece that simply drops into the pre-formed reinforcement slot in the ledge form to provide maximum strength in every corbel.

**Energy Efficiency:**

- Actual R-value of concrete & iForm: 22
- Effective R-value of concrete, iForm, air infiltration, and thermal mass: 32+
- Air changes per hour: 0.04 - 0.09
- Saves 50-80% on heating and cooling costs

**Fire Safety:**

Omega Point Laboratory Tests (ASTM E84/ASTM E119)

- Toxicity: 24 | Flame Spread | Less than 25  
Smoke Development: Less than 450
- When burning, less than half the toxins of burning wood (pine)
- Self-extinguishing
- Fire ratings: 13” & 15” = 4 hrs

**Storm Safety:**

- Withstands winds up to 200mph. Performs well in seismic zones
- Preferred product for safe rooms, basements and storm shelters

**Environmental Safety:**

- No HCFC’s or CFC’s emitted during manufacturing process
- No off-gassing, fumes, odors, toxins or formaldehyde
- Forms are recyclable
- EPA Energy Star® Partner
- Sound Transmission Class of 57+

**Evaluations & Associations:**

NES NER-604

Note: The NES Report documents compliance to the UBC, SBC, NBC, IBC, IRC and the International One & Two Family Dwelling Code

Wisconsin 200246-I Miami-Dade County 02-0809.05

State of NY No. 0099 AIA/CES Registered Provider #1143

City of NY 116-03-M ASTM E119 & E84



**LOWER ENERGY COSTS. LONGER COMFORT.**

We believe in helping building owners save as much as possible. That’s why we designed our products to reduce heating costs and protect the integrity and long-term comfort of both commercial and residential buildings.



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