



Cardiff Construction Green Building Strategy

3 Benefits in Building Green:

*Energy efficiency
Healthy indoor air
Extended Building Life*



Since its inception in 1989, Cardiff Construction has evolved into a Green Building Strategy using the latest materials available today. We take pride in our ability to be proactive and keep one step ahead of the construction industry using Green Building Materials such as precast walls and shell package offering, icynene insulation, Bamboo, Organic and recycled products. Our aggressive growth strategy and dedication to the customer is second to none.

Over the last 4 years, Green Products product has been used in numerous projects that has benefits to new home construction and commercial construction.

Quick Wall precast walls and other Green Building Materials are quickly emerging as THE alternative to conventional frame, block and even some tilt wall construction methods.

We have the utmost confidence that Quick Wall precast concrete walls will be a positive asset to your new home construction or your commercial construction and deliver a finished product like no other.

Icynene delivers high-performance solutions for efficient building envelopes, thermal comfort and a healthy living environment – all of which are integral components of green building and design. Icynene can also contribute points/credits to LEED for Homes + the NAHB National Green Building Standard.



Do you know the **Green** side of Precast Concrete?

The US Green Building Council created the Leadership in Energy and Environmental Design Green Building Rating System (LEED) in 1998; these established definitions and measurements are in place to officially recognize buildings as Green. Now, LEED certification has become synonymous with responsible building.

The Quick Wall System is perfect for clients demanding greener more sustainable buildings. Contractors and Owners are increasingly being asked to provide building products that demonstrate environmental responsibility. At Quick Wall, our Precast Concrete Wall is the ideal solution for most projects registering for LEED certification. Visit usgbc.org for more LEED information.

Green Advantages of Quick Wall Precast Wall

Quick Wall Precast Concrete has many Environmental benefits during construction and for the life of the structure.

- **Waste Minimization** – Less materials required because we reuse steel forms, have precise mixture proportions, which results in tight control of quantities. Waste materials are more readily recycled because concrete production is in one location. NO block or sand waste at the site.
- **Recycled Content** – Fly ash and recycled aggregate can be used to reduce use of virgin materials.
- **Less Building Disturbance** – Less dust and waste is created at construction site because only needed precast concrete elements are delivered. Fewer trucks and less time are required for construction because concrete is made offsite. Precast wall pieces are normally large components, so greater portions of the project are completed with each activity, creating less disruption overall.
- **Energy** – Quick Wall Precast Walls combine the Thermal Mass of concrete with an optimal amount of insulation. This offers greater comfort by reducing air infiltration. It also provides better control for heating, ventilation and air condition (HVAC) system, saving energy and reducing environmental impact.

- **Acoustic Comfort** – Precast Walls reduce sound penetration through walls by over 80% compared to wood or steel construction.
- **Disaster Resistance** – Quick Wall Precast Walls are resistant to fires, wind, hurricanes, wind driven rain and moisture damage Impact tested to 296MPH, and ZERO water penetrations on 4 day testing.
- **Life Cycle Cost** – Quick Wall Precast Walls have a service life of 100-200 years. Most average building shells life range between 50-100 years. Life cycle cost of precast concrete mean lower maintenance, repair, replacement and energy costs. Durable precast concrete offers sustainability for years into the future

Quick Wall:
Bringing Engineered Innovation and Strength to
Florida's Builders.

What you get with Quick Wall:

- Quick Wall panels are steel rebar and wire mesh reinforced 6000 P.S.I. pre-cast concrete wall panels and can be installed in as little as 1 day.
- Quick Wall 5 inch thick Insulated panels generate an R7 value and 6 inch thick Insulated panels generate an R8 value.
- Quick Wall panels are rated and Engineer Approved with 296 MPH wind rating and Zero water penetration level which qualifies as HURRICANE RESISTANT.
- Quick Wall panels come with pre-bucked window and door openings to within 1/8th inch so there are NO ROUGH OPENING ISSUES.
- Quick Wall panels have a Pressure Treated 2x6 cast in along the inner top portion for EASY truss strap attachment
- Quick Wall panels come with an exterior broom finish for direct stucco application.
- Overall Time Savings can add up to as much as 10-15 days by using Quick Wall panels and as much as 25 days.

What is eliminated or simplified:

- Quick Wall panels eliminate the need for all materials, labor, inspections, headaches and TIME that block construction requires. And, there is nothing to CLEAN UP after Quick Wall installation.
- Quick Wall panels eliminate the need for up rod slab dowels. No extra material, No inspections, No problems.
- Quick Wall panels eliminate the headaches generated from block construction at the windows and doors. No out of square openings EVER. Pre bucked opening will save you time, materials and labor.
- Quick wall eliminates the costly waste of extra sand, mortise, block, and steel so you are doing your part for the Environment by not contributing unnecessary waste to the landfills.

Visit the web site at www.precast-homes.com & www.icynene.com