MonoKast Precast Walls

Insulated Concrete

Durable Systems • Energy Efficient • Custom Designed

Meets Building Code Requirements • Reduces On-Site Waste • Reduces Construction Time

MonoKast Precast Walls

K-Wall Poured Walls, LLC
828-654-WALL (9255)
www.k-wall.com
10 Reasons Why Designers, Builders and Home Buyers Choose MonoKast Wall Systems

1. **Demand:** To meet the demands of new home buyers, **MonoKast Insulated Precast Wall Systems** provide a reliable, low-carbon footprint option. This sustainable green solution not only helps to reduce costs but also reduces jobsite waste and requires less material than traditional construction methods.

2. **Consumer Choice:** Due to an increased market awareness for green building products, designers and builders realize that their client’s involvement in making the right choices for their new home has never been greater than it is now. **MonoKast Licensees** support designers and builders by meeting the needs of these home buyers with custom engineered and manufactured “green” alternatives. Because all **MonoKast Insulated Precast Wall Systems** are modular and adaptable to most custom architectural designs and engineered specifications, homeowners are enthused to receive well-insulated, energy efficient, modern looking, ready-to-finish precast foundations.

3. **Quality/Dependability:** Structural integrity of **MonoKast Insulated Precast Wall Systems** are always consistent due to strict adherences to **MonoKast**’s advanced design guidelines. The systems utilize 5,000 PSI concrete, reinforced with engineer-specified reinforcing steel. The precast panels are manufactured in well lit, climate controlled precast facilities on dry, flat working surfaces. These advanced precasting methods in the factory and on customer jobsites consistently provide safe, dependable and secure wall systems for builders and their clients.

4. **System Design:** **MonoKast Insulated Precast Wall Systems** can be designed to meet or exceed most structural, architectural or thermal requirements.

5. **Performance...Delivered:** The design, manufacturing, delivery and installation of **MonoKast Insulated Precast Wall Systems** are provided by the same trusted concrete contractors that builders have relied on for many years. These seasoned concrete contractors bring the proven experience necessary to seamlessly integrate **MonoKast Insulated Precast Wall Systems** into any foundation project.

6. **Jobsite & Factory Safety:** **MonoKast** crews are able to set all precast panels in a safe, efficient manner, utilizing OSHA approved safety accessories, tools, hardware and equipment such as cranes in both factory and on the jobsite. Due to **MonoKast** Licensees’ long-time jobsite experience, our crews also implement safe working practices on every project as stipulated by OSHA.

7. **Value Added / Controlled Costs:** Because **MonoKast Insulated Precast Wall Systems** are manufactured in climate controlled environments, projects are not subject to typical jobsite weather delays. Manufacturing costs are uniform and easy to track due to well established materials’ cost oversight and strictly monitored labor practices.

8. **Schedule:** **MonoKast Insulated Precast Wall System** installers typically set one foundation/structure per day with small crews. Finishing and trade costs can be reduced due to many integrated features built into the system such as a stud nailer for drywall installation, pre-installed insulation, pre-located holes for plumbing and electrical, and pre-set openings for doors and windows.

9. **Inspections:** To help maintain the highest level of quality control on every project, **MonoKast Precast Wall Systems** undergo a series of stringent inspections during manufacturing and on the jobsite. This ensures all design specifications and code regulations are always followed, thereby producing safe, durable, consistently manufactured precast walls for every project.

10. **Warranty:** **MonoKast Insulated Precast Wall Systems** are supplied with a warranty against defects in workmanship and side-wall water penetration.

[www.monokast.com](http://www.monokast.com)
Reliable Scheduling Through Efficient Manufacturing Methods

One Day Installation Reduces Overall Construction Timeline

Homeowners and Builders Appreciate Having Ready-to-Finish Walls

Green, Sustainable, & Durable, High Quality Wall Systems for Beautiful Interiors

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The Comfort Zone

Where Designers, Builders and New Home Buyers Come Together

Designer Process

- PRE-INSULATED WALL PANELS
- CUSTOM DESIGN FLEXIBILITY
- LOWER ENERGY COSTS
- PROVIDES A SAFE WATER-TIGHT FOUNDATION

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The Comfort Zone
Where Designers, Builders and New Home Buyers Come Together

Builder / MonoKast Process

• EASILY FINISHES WITH DRYWALL OR OTHER FINISHES
• ACCURACY FOR OTHER SUB-CONTRACTORS
• DESIGNERS APPRECIATE ALL DESIGN OPTIONS
• PRECAST OPENINGS FOR DOORS AND WINDOWS

www.monokast.com
The Comfort Zone
Where Designers, Builders and New Home Buyers Come Together

New Home Buyer Process

- WIRING AND PLUMBING THROUGH PRECAST HOLES
- THERMAL INSULATION FOR EXTREME TEMPERATURES
- STRUCTURAL INTEGRITY MEETS ALL CODES
- REINFORCED CONCRETE STUDS

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Design, Manufacture, Construction, Delivery, Setup & Installation Sequence

Step 1: Final Foundation Designs

Step 2: Setup/Pour/Manufacture Precast Walls

Step 3: Load MonoKast Walls for Delivery

Step 4: Install Crushed Stone Footings

Step 5: Jobsite Delivery MonoKast Walls

Step 6: Align and Set MonoKast Precast Walls

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1. Send Blueprints to a MonoKast Licensee
   - Select a project for consideration of MonoKast Precast Wall Systems.
   - Contact a MonoKast representative with the help of the listing on the back of this brochure.

2. Evaluate & Layout Your MonoKast Walls
   - A MonoKast design and technical team leader will evaluate your project and consult with you to develop a solution that meets your quality, cycle time, and final home builder’s budget requirements.

3. Review System Proposal & Recommendations
   - A MonoKast representative will review the system alternatives, costs, and benefits with you.
   - The MonoKast Precast Wall Systems provide a variety of manufacturing capabilities and design options tailored to your requirements.

4. Build with MonoKast Precast Technologies
   - A complete MonoKast Precast Wall System can be manufactured and on your jobsite very quickly.
   - When the wall system arrives on the jobsite, so does the MonoKast setup team, ready to install (typically in one day) all precast concrete insulated walls as specified.
Structura Technologies was founded to help US concrete contractors, developers, and builders produce safe, durable, high quality residential and commercial concrete structures, both above and below grade.

With over 15 years of service dedicated to concrete contractors throughout the US, MonoKast Precast Insulated Wall Systems were developed to add value to builders homes. MonoKast Wall Systems are designed to meet the latest “Green” standards that also meet architectural specifications and building codes.

MonoKast Precast Licensees are seasoned professionals with a successful history in the concrete foundation industry. These experts provide proven wall installation methods using the MonoKast Precast Insulated Wall System. When you do business with a MonoKast consultant, your foundation will have the latest advanced technology and a cost effective building solution you can trust for the long term future.

The illustration below provides an example of a typical installed MonoKast Precast Insulated Wall System. Exterior walls here are supported on crushed stone footings but can also be on continuous solid or fully grouted masonry, concrete footings, or other approved structural systems.

- MonoKast Precast Walls available with insulation choices
- 3-5/8 Inch wide galvanized steel stud at 24 inch centers
- #4 Rebar inside each concrete stud
- Walls include utility holes for plumbing and wiring
- Concrete slab anchors to the bottom of the walls
- Compact gravel base
- MonoKast Precast Walls with crushed stone footing
- Floor Framing anchors to top of walls
- Holes provided for sill plate bolts
- Concrete studs wrapped with insulation
- 2 inch thick concrete face
- Dimple drain or spray-on membrane for water-proofing
- #3 Rebar inside top & bottom beams
- Perimeter drain

Note: Builders are provided the MonoKast Wall Systems, “Builders Manual” which includes MonoKast Checklists for Framing and Code Inspectors.