

SureBuilt

Concrete Forms & Accessories



Self-Riser System





Each SureCore system is customized to meet your specific project requirements.



Engineered and designed for any size core your project requires.



With the flip of a few switches, all interior and exterior formwork rises to the next level.

High-rise cores quickly take shape with the SureCore™ Self-Riser

The SureCore™ Self-Riser System is a cost-effective core forming method, reducing labor, and increasing productivity. This system allows core formwork to be lifted without a crane. Simply flipping a few switches moves the entire assembly, including platforms, plus interior and exterior formwork, up another story.

“The jumping process is so simple...we’ve been able to move quickly from floor to floor...”

Hydraulic cylinders lift the grid beams, working platforms, placing boom, interior forms, and exterior forms. During that time, the crane is available for other important tasks.

When the system is used with specially designed Stripping Corners, no corner reassembly is required on the interior form. The amount of stripping space required can be as little as one inch and the core system will still rise smoothly.

Cores can be poured simultaneously with the slab or advance ahead of the floor construction.

The high load capacity of the gantry platform provides a large storage area for small equipment, tool chests, and other materials on top of the advancing core.

Placing the concrete from the working platform through the SureBuilt Upper Deck Grate, rather than hinged hatches atop the core, provides safer working conditions.

The use of Taper Ties means no forming hardware is sacrificed, reducing costs and increasing productivity.

The SureCore™ Self-Riser System allows you to construct high-rise cores faster and more efficiently than other conventional core forming construction methods.



Gangforms are designed and preassembled before being delivered to the job site.



The forms are crane handled for the initial pour, but become part of the Self-Riser System for the remaining stories.



Hydraulic cylinders attach to a landing bracket anchored to the interior wall of the core.

Crane-free and pain-free approach to elevator and stairwell core forming

The SureCore™ Self-Riser system reduces labor costs, set-up time, and boosts efficiency because contractors receive pre-assembled gangs and do not need to build forms on the job site.

Elevator and stairwell core forms are customized for each project and pre-assembled for installation at the starter wall of the core. The system includes:

- Hydraulic cylinders
- Plumbing braces
- Wall landing brackets
- Grid beam support
- Control panel
- Form trolleys

Once the cylinder jack brackets and wall form landing brackets are installed, the interior forms are set in place. Steel grid beams are attached to support brackets and exterior forms are hung from trolleys supported by the grid beams.

Hydraulic ram units anchored to the previous pour level elevate the entire grid beam system to the next pour level. These single stroke units can move the entire Self Riser System up to 20' - reducing insert and labor costs, while greatly improving overall cycle time.

“The time to move the forms is about half of what it normally would have taken...”

Trailing platforms allow access to the previously poured concrete. The exterior forms supported by the overhead grid beams can easily be retracted. This provides clearance for form cleaning and rebar placement.

Completely self-sufficient, the SureCore™ Self-Riser Core System can cycle every 2 - 3 days, without a tower crane. Other phased activities stay on track and the overall project becomes more efficient and remains on schedule.

Bar Support – Wire slab bolsters and high chairs, with optional epoxy-coat, plastic-dip, plastic-tip or plate, to meet almost any slab requirement.

Bridge Deck – Overhang brackets and hangers provide an efficient deck forming solution for precast concrete or steel I-beam bridge structures.

Coil Ties – 2-Strut and 4-Strut designs, in standard and heavy-duty capacities, with optional cones, waterseals or custom combination, for job-built forming.

Dowels – Plates, sleeves, baskets and joint nosings for high-performance concrete floors.

Euro Rod – 15mm and 20mm taper ties, she-bolts, inner ties, washers and wing nuts compatible with European-brand forming systems.

Metal Rib – Leave-in-place, expanded galvanized mesh to form footings, bulkheads, grade beams, pier caps and blindside walls.

Pipe Braces – Contractor-preferred braces, with rated capacities and lengths ranging from 7'6" to 62'6", for almost any forming application.

Precast – Inserts, anchors, connectors and lifting systems for efficient precast concrete production.

Self-Riser – Integrated hydraulic system for multi-story building cores that virtually eliminates crane time.

Shoring – A conventional 12K load/leg system, with base plates, cross braces, screw jacks and U-heads, for productive deck support.

Snap Ties – Ties and brackets, with ¾" plywood and 2x4 lumber, create a simple and effective plywood forming system.

Staybox – A pre-engineered and pre-assembled rebar keyway that simplifies forming at wall and deck intersections.

Stud Rail – A reinforced column-to-deck connection that reduces shearing, transfers load further into the slab and eliminates column capitals.

SureCurve™ RC – Concrete tanks and curved walls quickly take shape with this flexible gangform system.

SurePly™ – An industry-recognized handset system, with more than 80 standard panel and filler sizes, for almost any forming application.

Tilt-Up – A start-to-finish system of lifting inserts, plates and hardware for tilt-up panel construction.

Walers – Double channel walers align panels, carry taper tie loads and maximize the surface area of almost any gang.