



## Wall Panels



# Resource Guide

DELIVERING SPEED, THERMAL PERFORMANCE, AND STRUCTURAL INTEGRITY

Precast concrete panels continue to push the envelope of form and function.

Speed, thermal performance, and structural integrity make our panels an attractive solution. Fabcon structural precast panels are designed to help buildings go up faster and require less long-term maintenance while adding more value than other conventional building methods. And their structural design continues to push the envelope of form and function.

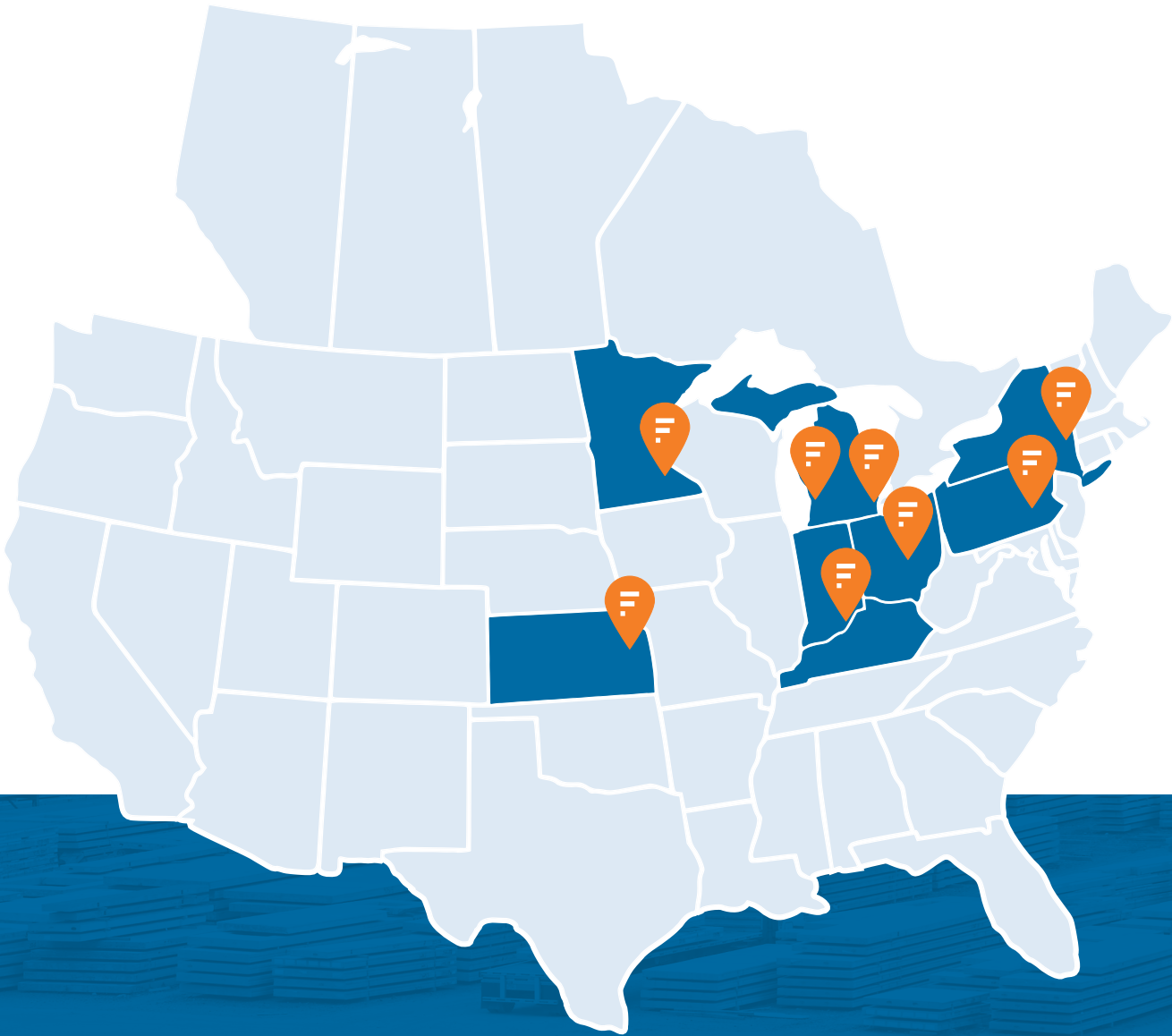
Your Sales Engineer is an expert in all things precast and can be especially instrumental in helping you get started with your next project. Go ahead and contact them with any questions.

Call (800) 727-4444 if you're not currently working with a Fabcon Sales Engineer.

We've Got You Covered

Eight locations and multiple options

With eight strategically located manufacturing facilities ensure an effective delivery span that covers most everything east of the Rockies and north of the Gulf Coast. We have delivered and installed our product all over the United States and also in four Canadian provinces.



In this Guide:

- About Fabcon
- Customized Turnkey Solutions
- Key Markets
- Finish Options
- Building Information Modeling (BIM)
- Fabcon Benefits
- Wall Panel Types
- Fabcon Products



# The Fabcon Way

We've refined and re-engineered our panel performance profiles to meet customer needs.

MANUFACTURING CAPABILITIES

## Customized Turnkey Solutions

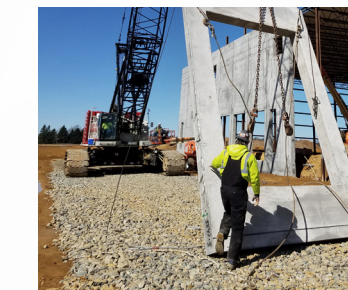
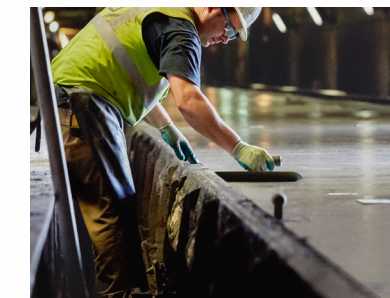
You get the biggest benefit when we're a part of your project team from the start. From inception to installation, our solutions are designed to support structural and architectural precast solutions.

### Consultation

We partner with our customers from day one, offering customized turnkey solutions that meet project demands.

### Project Management

Our in-house team manages all projects from engineering through install to increase accuracy, reduce risk, and ensure the best results.



### Design

Our engineering and drafting teams partner closely with the structural and architectural teams to ensure our designs align with project specifications.

### Manufacture

State-of-the-art manufacturing facilities are climate-controlled and PCI-certified, helping ensure accuracy and quality for every project and application.

### Logistics

Detailed yard operations go beyond storage to include quality inspections, finish treatments, and delivery sequencing that help expedite project timelines.

### Installation

Our highly trained, expert PCI-certified installers tailor installation methods to each project and site-specific needs.

# Rock-Solid Solutions For Your Next Project

Fabcon's structural precast panels offer endless rock-solid solutions for time and budget-sensitive projects. We build corporate headquarters to grocery stores, manufacturing facilities to ice arenas, and car dealerships to data centers and more.

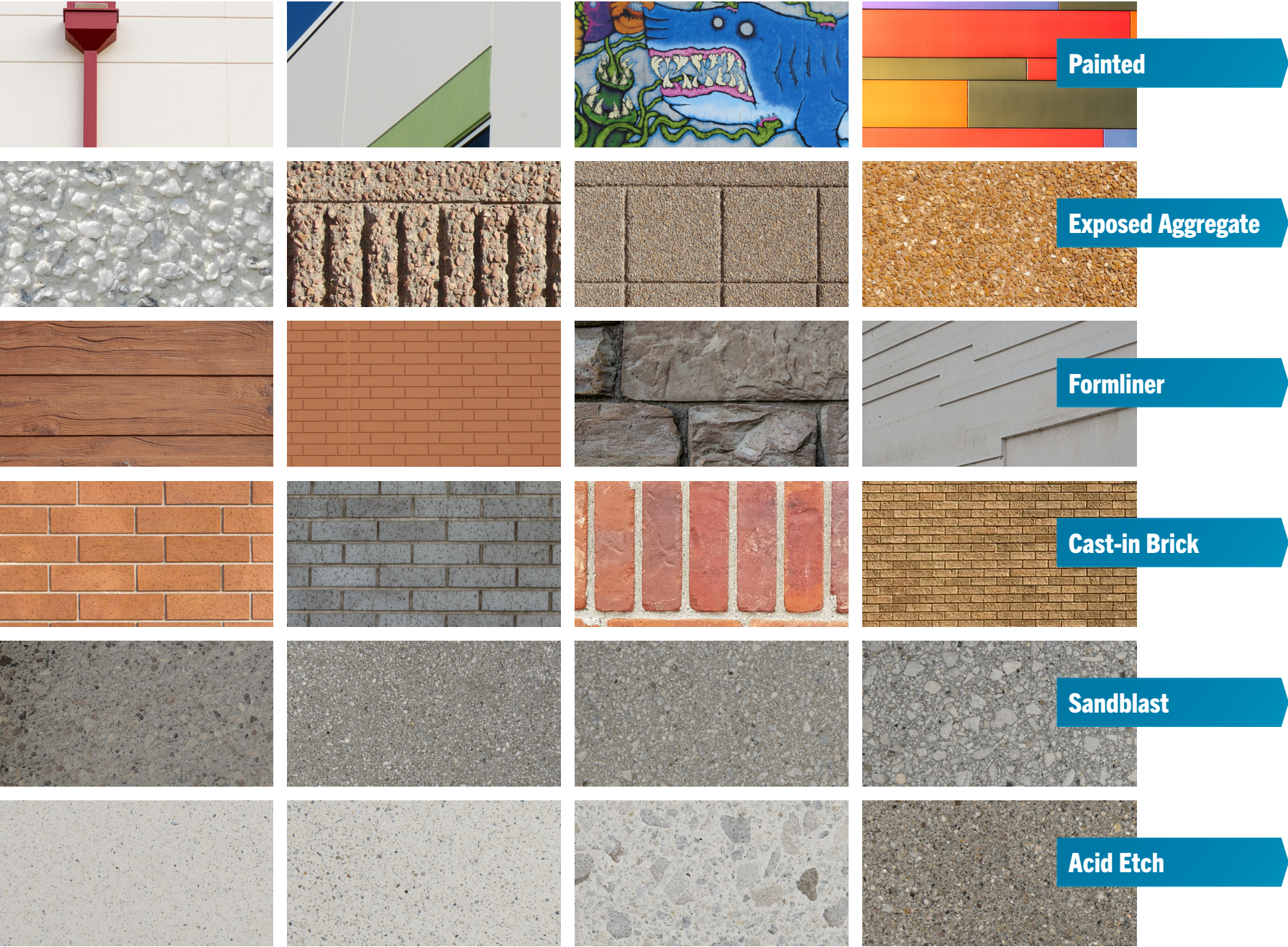
- Warehouse
- Office
- Entertainment
- Manufacturing
- Retail
- Data Center
- Community / Public
- Education



# Your Finish, Your Way

Our precast panels are available in a multitude of colors and finishes for your exteriors. Your imagination is the only limitation when considering the scope of naturally occurring aggregates, pigments, and custom imprint capabilities.

## FINISHES



*For more details, see our Finishes and Capabilities Guide.*

# From Vision To Reality

A successful project starts with collaboration between our expert professionals, the owner, and their Architect / Engineering / Construction (A/E/C) team. And using Building Information Modeling (BIM) helps ensure consistent project coordination from start to finish.



## Building Information Modeling

We use BIM from early stage drawings through product coordination to streamline processes and accelerate project delivery. BIM enables us to create and manage 3D models of infrastructure and building by merging a variety of information – about materials, structural elements, and systems, into a single model.



Using BIM helps us reduce typical submittals and post-construction document coordination timelines while also providing:

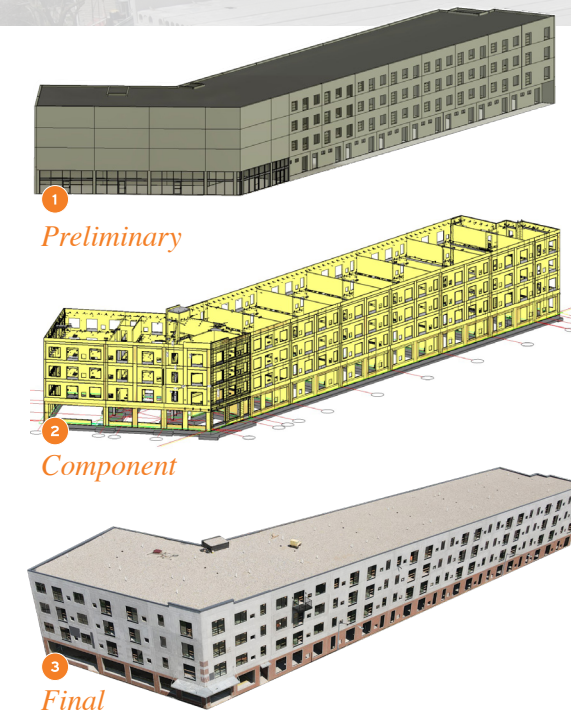
**Cost Control:** Precise budget alignment

**Manufacturing Efficiency:** Reduced waste

**Accelerated Schedule:** Faster project timelines

**Ownership Participation:** Enhanced design collaboration

## BUILDING INFORMATION MODELING



# Fabcon Benefits

## Protection from the Elements

Whether it's floods, high winds, debris, ice blasts, or vibrations, precast concrete can withstand extreme conditions and offers protection from the elements. Precast can tolerate freeze-thaw cycles better than other materials and won't decay or crumble as it expands and contracts. And its fire resistance helps increase containment times, which ultimately creates safer environments.

## Thermal Efficiency

Using precast concrete, with its natural thermal mass benefits, can help reduce building heating and cooling costs; in fact, a precast insulated wall system can offer up to 40% more efficiency. This is especially true during peak seasons because the material is slow to react to outside temperatures.



## Speed to Occupancy

Building with precast concrete takes up to 60% less time than conventional framing methods. We manage all logistics and can install our products in as little as one week, regardless of weather conditions. With less need for storage or on-site staging areas, there's more room for other trades to maneuver, further streamlining the construction process.

## Ultimate Accuracy

Our advanced estimation tools and state-of-the-art equipment enable us to deliver the most accurate products for supreme fit and finish. Manufacturing all products in a controlled environment ensures better, faster results on every job. Our vertically integrated, responsive process means every solution is engineered, modeled in advance, and fabricated to exacting standards.

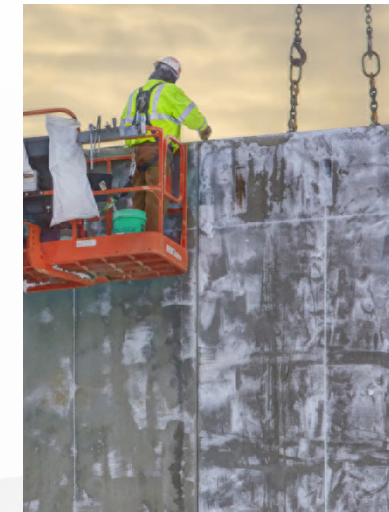
## Fewer Trades Involved

Using precast concrete means up to eight fewer trades are needed, which, along with smaller crews and prefabricated products, allows us to install more efficiently and nimbly, even in challenging and tight spaces.

## Seamless Material Integration

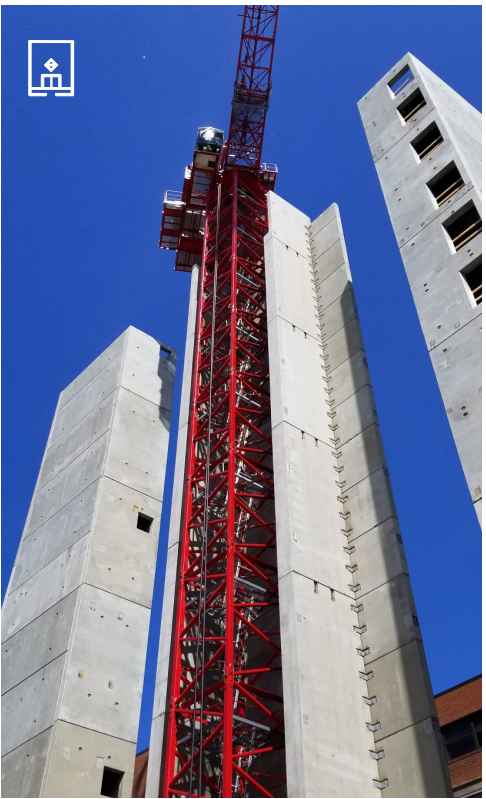
Our precast concrete solutions seamlessly integrate with a variety of construction materials, including steel, glass, wood, and masonry. This versatility enhances design flexibility, combining the strength and durability of precast with the aesthetic appeal and performance features of other materials.

*Precast plays well with others – meaning it can be combined with other building materials.*



# Walls Panel Types

Architectural	Structural	Insulated	Elevator / Stair Shaft	Shear Walls
Architectural Precast Wall Panels are secured into the building's super-structure and offer a wide range of decorative finishes.	Structural Precast Wall Panels are built to resist and stabilize roof, floor, and lateral building loads.	Insulated Precast Wall Panels feature both structural properties and architectural abilities which include a thermal insulation layer between the interior and exterior concrete wythe.	Elevator / Stair Shaft Precast Wall Panels are used with stairs, landings, and openings for quick and efficient installation, offering a time saving alternative over masonry or wood based products.	Shear Precast Wall Panels provide the structures with lateral load stability.



# Fabcon Products

Our expanded manufacturing capabilities offer you more choices and flexibility plus higher precast performance.

**VERSACORE**  
**VERSACORE SANDWICH**  
**COMPOSITE**  
**NON-COMPOSITE**

## PRODUCTS

### PERFORMANCE

#### VersaCore

VersaCore panels are the lightest structural precast wall panels and feature versatile designs for use in multiple projects.

### THERMAL PERFORMANCE

#### VersaCore Sandwich

With a 2.5-inch insulation layer for superior R-values, VersaCore Sandwich panels offer peak thermal performance.

### EDGE TO EDGE

#### Composite

Composite panels offer edge-to-edge insulation and high-quality finishes.

### ARCHITECTURAL FACE

#### Non Composite

Non Composite panels combine a thicker structural wythe with continuous insulation and a thinner concrete face.

# Fabcon Projects

PROJECTS



**JFK Logistics  
Woodmere, NY**



## Let's Talk About Your Next Project

Whether you're an architect, developer, general contractor or owner, our precast concrete solutions offer endless project advantages and possibilities. Let's talk about them.

**[fabconprecast.com](https://fabconprecast.com) / 800-727-4444**

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