

Quality Products Are Just One Part of a Successful Precast Project



Rocky Mountain Prestress teamed with Thermomass to provide durable insulated panels to protect the NREL Research Support Facility from all manner of Colorado weather while also forming an integral piece of the building's passive heating and cooling operations.

Since its founding in 1980, Thermomass has pioneered the high-performance sandwich panel market and has helped clients around the world design and build durable, versatile, and energy-efficient concrete walls. We manufacture a complete line of precast insulation products and nonconductive ties, but we know that great projects depend on more than just quality materials.

Over the past 35 years, our corporate philosophy has been that our success, and that of our clients, is a balance of three things. Exceptional products are key, but expert service and proven performance are equally important. Newer firms in the industry may try to shortcut this holistic approach, but we believe that each of these sectors is critical to the success of not only our company, but of every project in which we participate.

Innovative Products

Thermomass' core business is the manufacture of energy-efficient composite construction materials, created using a specialized process known as pultrusion. Different than injection molding or extrusion operations, the pultrusion process allows us to cre-

ate continuous lengths of reinforced polymer structural shapes that deliver constant cross sections and consistent results—a critical factor for sandwich wall connectors and their long-term structural integrity.

Thermomass offers a comprehensive product line of wall ties with the strength and flexibility of steel plus the nonconductive and noncorrosive properties vital to today's energy-saving, sustainable building practices.

Thermomass also pioneered the process of CNC fabrication of rigid insulation to exacting specifications to best meet the ideal of edge-to-edge panel insulation. Combined with Thermomass connectors, this system is the smart choice for almost any precast concrete panel application—from single family homes to NFL football stadiums and everything in-between.

Dedicated Service

With a team of engineers, architects, and product technicians boasting more than 200 years of combined experience, our Technical Services Department has been a part of thousands of projects, each with distinct challenges and goals. As a result, we can offer a unique blend

of practical thinking and real world experiences to our clients. Whether it is advice on the compatibility of our systems with stated project goals, recommendations on details, or a thermal analysis on a potential project, our technical department is there for clients every step of the way.

Our Sales Support Staff are experts in the precast market through continuing education programs for the design community, industry-specific committees, and code body participation. In addition to our team headquartered in Iowa, we have strategically placed individuals around the United States and the world to better serve local markets. This level of industry expertise and involvement results in a partnership with our clients that allows us to tackle even the most challenging project.

And when it comes to taking all of the drawings and details for a project and turning them into industry-leading concrete insulation systems, the Thermomass Production Team is second to none. Combining years of operations experience, advanced pultrusion and CNC production techniques, and dedication to both efficiency and safety; our manufacturing experts deliver the world's safest concrete sandwich wall system.



Thermomass-insulated precast panels from Stresscon help reduce energy costs while maximizing interior space for the recent Loveland Service Center project.

Concrete Results

Consistent parts yield consistent results. That theme echoes throughout all aspects of the Thermomass project cycle, especially during the manufacturing process. As part of our stringent quality control procedures, Thermomass connectors are subject to rigorous third party evaluation. We exhaustively test all of our connectors and actively publish those findings. Thermomass products are listed with some of the industry's highest evaluation services, including ASTM, UL, the International Code Council, and the National Fire Protection Association.

We also carefully examine panels in service to see how they perform long after the panels are erected. We continually assess how our systems help minimize safety concerns during critical events like fires, collisions, blast loads, extreme wind loads, and seismic activity.

Perhaps the most telling measure is this: Thermomass systems have been selected for thousands of projects all over the world over the past four decades, many of which have garnered industry acclaim. For example, Thermomass products and assistance have played vital roles in recent PCI award-winning projects such as:

- University of Kentucky Chandler Hospital Pavilion (Sustainable Design Award, 2014),
- First Baptist Church of Dallas (Best Religious Structure, 2015),
- The Woodlands Nordstrom store (Best Retail Facility, 2015),



Gate Precast teamed with Thermomass to provide insulated architectural precast cladding panels for the Chandler Hospital Pavilion at the University of Kentucky.




Comprised of fiber composite connectors and prefabricated rigid insulation, Thermomass insulation systems are fully tested, install easily, and have been used in a wide variety of award-winning precast projects.

- City of Loveland Service Center (Best Warehouse/Distribution Center, 2015).
- Additionally, Thermomass has been involved in a number of recent high-profile, zero-energy projects for notable clients like the National Renewable Energy Laboratory and NASA.

A Comprehensive Approach

From its humble beginnings to its current position as an industry leader, Thermomass has always adhered to the principal that the success of each project is more important than any bottom line, sales goal, or market-

ing agenda. From the beginning, our aim was to help clients design and construct buildings that would stand the test of time. To accomplish that, we realized that our success would be measured by more than just the total number of parts shipped to the jobsite.

Thermomass will always deliver innovative, quality products. But dedicated service and concrete results are also part of the fabric that makes insulated precast concrete one of the most durable, versatile, sustainable, and cost-effective construction methods available today. 

For more information: www.thermomass.com.