



INSULATED PRECAST CONCRETE WALL PANELS

A COMPLETE PRECAST CONCRETE WALL SYSTEM

Lafarge INSULCORE® Concrete Wall Panels are a complete wall system for building envelope construction. Our INSULCORE wall panels feature two layers of reinforced precast concrete separated by a continuous layer of insulation, which serves as a thermal barrier. The high thermal mass of two concrete surfaces, coupled with the low thermal conductivity of the continuous insulation layer delivers an energy efficient building envelope that can produce significant energy efficiencies.



WHY INSULCORE?

Favored for speed of construction, durability, thermal performance and resistance to damage, our INSULCORE wall panels are available in a wide range of widths, lengths, thicknesses and exterior finishes. Thanks to the modular design of our INSULCORE panels, building expansion is a breeze. Our INSULCORE panels can be removed and relocated, while new panels can be brought on site for the new addition. As a highly versatile construction material, Lafarge INSULCORE wall panels are an ideal structural building system for countless applications, including commercial, industrial and mixed-use buildings.

PERFORMANCE BENEFITS

Resilience & Durability

The high performance concrete in our INSULCORE panels is extremely resistant to impact and damage, which is best proven in applications where forklifts or other heavy equipment and machinery operate within an industrial environment. What's more, the safety and security provided by a precast exterior wall system can even help reduce insurance premiums for owners over the life of the building.

Thermal Performance

Lafarge INSULCORE wall panels have excellent insulating properties thanks to the high thermal mass of concrete combined with the continuous insulation layer that runs edge to edge contained within each INSULCORE panel. Insulation values from R5 to R40 or greater are possible, suiting any project requirements and meeting the new requirements of R27 reflected in the New Energy Building Code (NEBC).

Speed of Construction

Carefully designed to meet CPCI quality control standards, our INSULCORE panels are produced in a factory-controlled environment and arrive at the job site ready for installation. Panels are typically designed to span from the foundation to the roof of the building without intermediate supports, and can be installed in days by a single trade, helping to accelerate construction schedules and reduce on site crews.

Year-Round Construction

Fast panel erection allows crews to close in a building quickly in all seasons, helping to ensure no delays due to inclement weather, and making construction even in winter months possible.

Aesthetic Finishes

Our INSULCORE wall panels can easily be customized and produced in a variety of colors, textures and different finishes to fit the design of the building. Textures that resemble granite, brick or stone can be achieved on the exterior or interior surface of our INSULCORE wall panels during production at a fraction of the cost.

