



CarbonCast® High Performance Insulated Wall Panels with C-GRID® shear trusses deliver all the benefits of factory precasting with unprecedented thermal efficiency in a structurally composite panel.

Setting a New Standard in Precast Insulated Wall Panels

CarbonCast® high performance insulated wall panels are typically composed of two prestressed concrete wythes separated by EPS continuous insulation (ci), and connected by high strength C-GRID® carbon fiber grid shear trusses.

The C-GRID® shear trusses render a panel with full composite action for superior structural behavior, reduced weight and exceptional durability. Non-composite panels are also available.

CarbonCast panels comply with ICC-ES standards (ESR#2953) to meet international building code requirements.

CarbonCast Enclosure System Selector

Feature	High Performance Insulated Wall Panel
Length	Up to 60' (18.3m)
Width	Up to 14' (4.3m)
Thickness	8"-12" (203-305mm)
Weight PSF (KPa)	> 65 (3.1)
R-value	11-37
Continuous Insulation	Yes
Fire Rating	2 hrs
Load-bearing	Optional
Paintable Interior Face	Yes
Window / Door Recess	1-2" (25-51mm)

CarbonCast® High Performance Insulated Wall Panels

Less concrete means less weight, less embodied energy and a reduced carbon footprint.

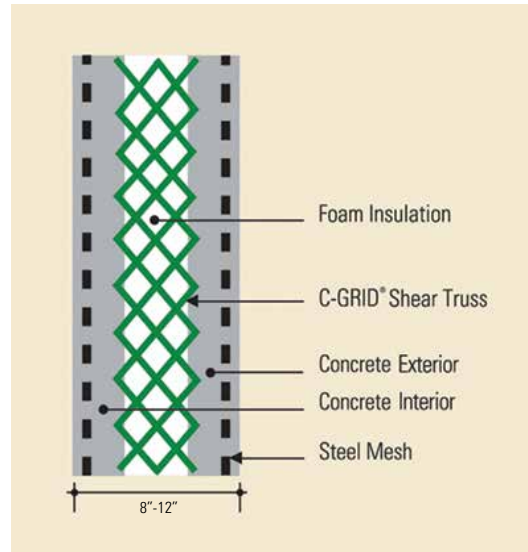
- Energy efficient and light weight — exceeds ASHRAE 90.1 requirements
- Superior load bearing performance — can eliminate need for perimeter columns and increase usable floor space
- Variety of foam insulation materials and thicknesses available to meet specific applications
- Aesthetically versatile and ultra-durable
- Dry, mold-free and fire-rated. Meets ASTM and NFTA requirements (up to 3 hours)
- Sound deadening — very little exterior noise transmitted to interior spaces
- Continuous insulation eliminates cold spots, provides comfortable interior environment
- Code compliant and resistant to blast and extreme weather
- Prefinished or paintable interior wall
- C-GRID® is non-corrosive and will not rust or contribute to concrete spalling

COMMERCIAL AND INSTITUTIONAL USES

- Office Buildings
- Educational Facilities
- Healthcare Facilities
- Correctional Facilities
- Big Box Retail
- Multi-unit Residential
- Arenas, Theaters, Museums and Convention Centers

INDUSTRIAL USES

- Warehouses
- Refrigerated Storage
- Manufacturing Plants and Control Room Facilities
- Distribution Centers
- Data Centers



Spancrete® is *Building Innovation*™.

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