



Building Better Foundations

Why build your foundation with Superior Walls?

Superior Walls are innovative, precast concrete foundation walls that offer unsurpassed quality and significant advantages over traditional pour-in-place walls.

Reduced construction time



Our walls are prefabricated in a controlled environment and delivered to site fully cured. Construction time is typically one day vs. traditional pour-in-place of 5-6 days. There's no need to build out and insulate a frost wall or install a vapor barrier as it's all integrated into the Superior Walls System. This saves time and money.



Improved durability & moisture resistant



Our waterproof, engineered concrete is built to last, with fiberglass mesh and sulfate resistant cement powder. It offers a higher MPa vs traditional foundations (55 MPa vs 23MPa) and you don't have to worry about mold, mildew, rot or rust. Plus, everything is backed up by our limited 10-year warranty.



Sustainable and environmentally friendly



Foundations made from Superior Walls contribute to net-zero ready structures, due to their high R-value (R-23), high thermal mass and high air "tightness," which keeps cold air out and warm air in. Our concrete foundations also help reduce greenhouse gas emissions and use about 1/3 of the concrete of traditional pour-in-place foundations.



Cost competitive



Superior Walls may appear more expensive than pour-in-place walls, but they are fully insulated, include a vapor barrier and are ready for drywall. They also offer savings in ongoing energy costs and maintenance, and provide faster speeds of construction. All this makes Superior Walls very competitive on cost, and sometimes flat-out less expensive.



Product Information

Superior Walls foundations feature patented, insulated, precast concrete wall panels that are formed in a factory-controlled setting and delivered to the job site, where the panels are lifted into position with a crane and carefully bolted together and sealed. The walls are custom-designed and built to virtually any architectural style, complete with window and door openings.

- R-23 (RSI 3.38) foam insulation will not sag or mold, unlike typical fiberglass. Additional insulation can be added to achieve higher performance.
- Concrete strength: 55-60 MPa versus typical pour-in-place concrete walls at 23-25 MPa.
- Load strength rated at 7,500 lbs. per liner foot.
- 10¼" thick with concrete studs two feet on center.
- Rebar-reinforced top and bottom bond beam with vertical rebar in each stud.
- Airtight with a built-in vapor barrier. No issues with punctures or improper installations.
- Galvanized steel stud facing for easy installation of drywall finishing.
- Custom finishings provide aesthetic appeal. Finishes available include broom, stucco and smooth and glossy power trowel.
- Canadian Construction Materials Centre (CCMC) approved and ISO 9000 certified.
- Limited 10-year warranty.
- Fully engineered and inspected.



Custom-engineered and manufactured

Consistent quality, expert engineered to exact customer needs.



Rapidly installed, comparable cost

Installs in days, not weeks, on a predictable schedule that speeds time to revenue, and matches costs of traditional construction.



Proven performance

Strength, durability, insulation rating meets highest industry standards.



Western Canada's exclusive provider for the Superior Walls system of precast concrete walls and foundations with over 600 projects completed.

Structural Precast serves Western Canadian residential and commercial builders by providing precast concrete products that are custom manufactured, installed rapidly, and proven to deliver more comfortable and sustainable buildings. Based in Calgary and Claresholm Alberta, Structural Precast is an expert-led manufacturing company with over 100 customers.

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