



# Precast Buildings – Agriculture

## The superior choice for agricultural buildings

Superior Walls are an innovative, precast concrete wall that offers unsurpassed quality, cost efficiency and innovation for building envelopes within the agricultural industry.



### Significant cost savings

Superior Wall panels cost 35-45% less than concrete sandwich panels\*.



### Environmentally sound

Concrete walls have a high insulation value (R-23), use up to two thirds less concrete than an ICF or traditional solid concrete wall and produce less waste.



### Strong and durable

The concrete within the wall is strong (55-60 MPa), waterproof and sulfate resistant, so your structure will be built to last.



### Rapid, all-year installations

Precast concrete reduces construction time and enables rapid installations – all year long and in all weather conditions.



### Consistent, reliable quality

High quality engineered precast concrete is manufactured in a controlled environment so you can build better projects.

\*On average, when compared to concrete sandwich panels, depending on geographic location.

### Broad applications for agricultural buildings

- Maximum 20 feet clear span in height above grade.
- Walls can be inverted for power trowel, sealed concrete inside the building for easier cleaning and healthier livestock.
- Outer walls can be custom finished with cost-effective tin or customized finished concrete.
- Chicken barns – pullet, layer or broiler barns.
- Pig barns.
- Utility and workshop buildings.



# 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 linear foot.
- 10 1/4" thick with concrete studs two feet on centre.
- Rebar-reinforced top and bottom bond beam with 2 vertical rebar per 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.
- Canadian Construction Materials Centre (CCMC) approved and ISO 9000 certified.
- Limited 10-year warranty.
- All structures are fully engineered and inspected.



## Custom-engineered and manufactured

Consistent quality, expertly engineered to exact customer needs.



## Rapidly installed, significant cost savings

Installs in days, not weeks, on a predictable schedule that speeds time to revenue, and reduces traditional construction costs by 35-45%\*.



## Proven performance

Strength, durability and insulation rating all meet highest industry standards.

\*On average, when compared to concrete sandwich panels, depending on geographic location.



***Western Canada's exclusive provider for the above grade Superior Walls system of precast concrete walls 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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