



TITANWALL
Structural Insulated Panels

www.titanwall.com
toll free 1-888-TITAN40

TITANWALL

SIP ADVANTAGES

- **Non combustible fire resistant sheathing material**

Zero flame spread and zero smoke contribution (ASTM E- 84 test standard)
Class A thermal barrier (Can/ULC S-124-M85 test standard)
Fire Rated up to one hour (ASTM E-119 Can ULC S101- 04E test standard)

- **Significant heating and cooling cost savings**

Continuous EPS insulation creates a true R value that performs as consistently in site conditions as it does in laboratory conditions. Stick framed walls can exhibit more than a 50% loss in R value performance on site vs. a laboratory. Superior thermal resistance on site means up to 40% smaller HVAC system can be utilized.

- **Protect from mould growth and insect infestation**

Titanwall SIPS have no nutrients to feed mould or insects. TitanBoard™ contains an antifungal agent.

- **Environmentally responsible**

Long term savings on energy consumption combined with a dramatic decrease in jobsite framing lumber waste, and the inert, non nutritive, highly stable, non poisonous nature of our panels make them an environmentally responsible choice.

- **Superior strength characteristics**

TitanWall Panels are structurally stronger and straighter than a conventional stud frame structure. The EPS core provides rigidity and the TitanBoard™ outer skin provides tremendous tensile and compressive strength – tested by an international testing organization. (ASTM E72-02 and ASTM E564-95 Test Standards). The result is a sound structure that is plumb, level, and impact resistant.

- **Faster Construction, Superior Workmanship**

Builders agree that panels dramatically improve on site construction quality and workmanship. Framing crews and insulation crews are no longer required. A single crew can be trained in a day to complete an entire building envelope with fewer tools. Shorter construction time brings financial benefits as well as reducing the chance of material losses from the job site.



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Fence and Retaining Walls

unfinished



finished

- Prefabricated for Quick and Easy Installation
- Various Heights, Thicknesses and Style Options Available.
- Versatile Finishing – Apply Paint, Stucco, Brick or Stone Veneer with Confidence – Excellent Pull Out, Adhesion, and Structural Load Strength
- Guaranteed to Withstand Wind Load
- Strong Enough to Support Large Gates, Heavier Finishing, and Retaining Wall Loads
- Excellent Sound Barrier
- Durable, Impact Resistant and Will Not Rot
- Panels are Non Combustible, Highly Flame Resistant
- Straight, Plumb Fence Line Every Time!



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FOUNDATIONS

No Cribbing or Curing
Foundation walls in less
than one day!



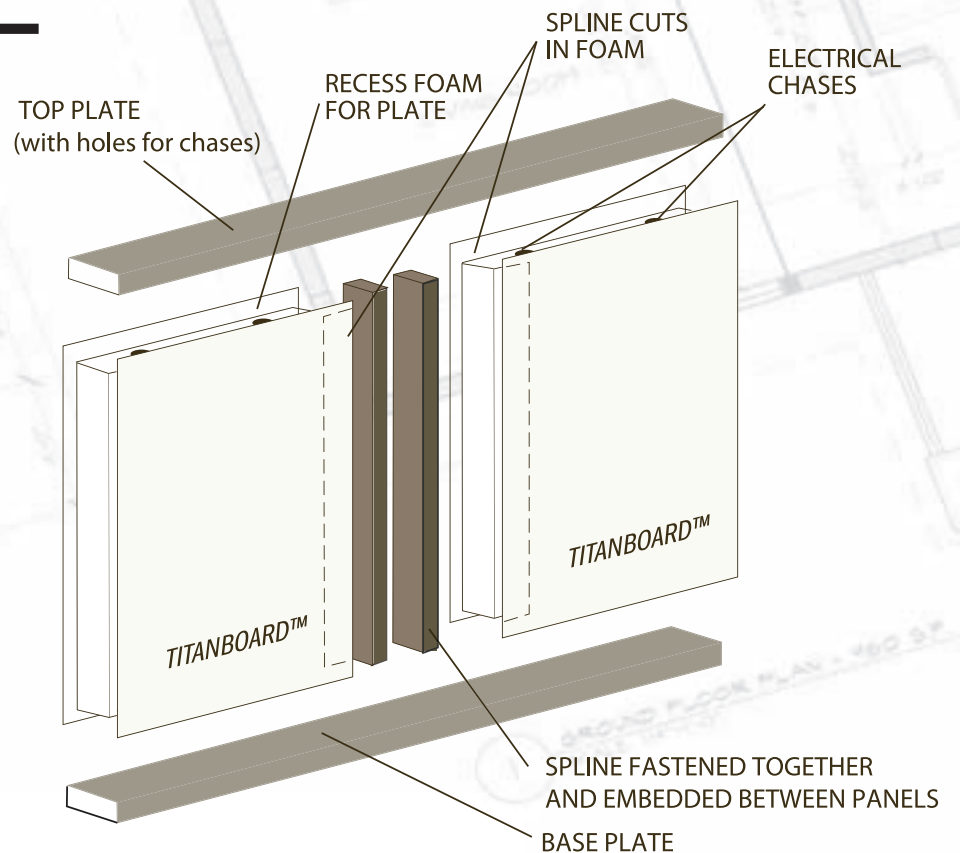
Construction is fast and efficient

In most cases,
foundation walls
can be fabricated
and erected by a
four person crew in
less than one day!

- Suitable for Conventional or "Walk Out" Basement Applications
- Concrete Slab or Wood Floors and Footings Can Be Utilized
- Walls Have Far Superior Thermal Resistance Versus Concrete
- No Need for an Interior Frost Wall Means A More Spacious Basement
- Windows of All Sizes Can Be Installed.
- Electrical Chases are Two Foot OC
- Conventional Weeping Tile Systems and Foundation Wrap or Peel and Stick Damp Proofing Systems Can Be Utilized
- No Special Back Fill Requirements. Back Fill After Slab and Main Floor Are Installed
- Back Fill up to 6' 6" is Permitted on 8 ft or 9 ft Walls
- Materials Can Be Easily Transported to Remote Building Sites
- Highly Suitable for Winter Construction – Less Hoarding and Heating – Faster Lock Up.

WHAT ARE TITANWALL PANELS?

TitanWall Structural Insulated Panels (SIPS) come in 4' x 8' and 4' x 9' sizes and various thicknesses. They are composed of TitanBoard™ structural skins and an expanded polystyrene core.



Structural Insulated Panels

TITANWALL SIPS are clad in "TitanBoard™", a sheathing far superior to wood in cases of fire, mould, moisture handling and finishing capabilities. TitanWall SIPS can be used in basement foundation walls, above grade exterior walls and roofs. They have been used in a wide array of applications including "high end" residential construction, affordable housing and commercial construction projects.