



PERFORMANCE FORMING WITH EPS

RESIDENTIAL ■ COMMERCIAL

Floors ■ Decks ■ Roofs



Superior strength, flexibility, safety and value.



***Beaver Plastics***

[www.beaverplastics.com](http://www.beaverplastics.com)

# Fortruss

PERFORMANCE FORMING WITH EPS

FORTRUSS is an EPS concrete forming system that provides unique opportunities to create beautiful and durable coloured or stamped concrete finishes, maximizes efficiency for heated floors, is fire safe, quiet and can provide R values exceeding R40.

The FORTRUSS light weight EPS deck panels are supported by metal clad truss forms and provide structural form work for insulated suspended slabs. Applications include floors, decks and roof structures

with clear spans of up to 40 feet.

FORTRUSS complements green building designs through energy efficient, durable structures that promote healthy indoor air quality.

\*No CFCs or HFCs.



## Residential Applications



## Commercial Applications

- FORTRUSS PROVIDES MORE CLEAR SPAN OPTIONS THAN CONVENTIONAL TRUSS SYSTEMS WITH THE ADDED BENEFIT OF A FIRE RATED DECK AND ROOF STRUCTURE.



## FORTRUSS INSTALLATION:

- Quick to Install
- Light Weight
- Safe
- Quiet
- Sub-trade Friendly
- Design Flexibility
- Cost Effective
- Provides Structure
- Sustainable
- Energy Efficient
- Green Roof Compatible



## The Fortruss System

The FORTRUSS system provides superior strength, quality, safety and value when compared to conventional floor and roof truss systems. Ideal for use in both residential and commercial construction, FORTRUSS incorporates the strength and durability of concrete, the high performance

insulating value of EPS rigid insulation and the added structure and flexibility of metal cladding. FORTRUSS perfectly compliments your Insulated Concrete Form (ICF) structure and together they provide a complete structural and thermal “building envelope”.



**1** DECK PANELS ARE LIGHT WEIGHT AND EASY TO HANDLE.



**2** TRUSS FORMS ARRIVE ON SITE PRE-CUT AND READY FOR QUICK INSTALLATION.



**3** TRUSS FORMS CAN BE EASILY CUT AND MODIFIED ON SITE.



**4** ONCE TRUSS FORMS ARE IN PLACE, SIMPLE SHORING IS ERECTED.



**5** DECK PANELS PROVIDE A SAFE WORKING STRUCTURE.



**6** REBAR AND STIRRUPS ARE THEN PLACED ACCORDING TO DESIGN SPECIFICATIONS.



**7** PLACE CONCRETE.



**8** TRUSS FORMS CAN BE POURED INDEPENDENT OF SLAB OR AS A MONOLITHIC SYSTEM.



**9** SERVICES ATTACH EASILY TO THE UNDERSIDE OF THE FORTRUSS SYSTEM.

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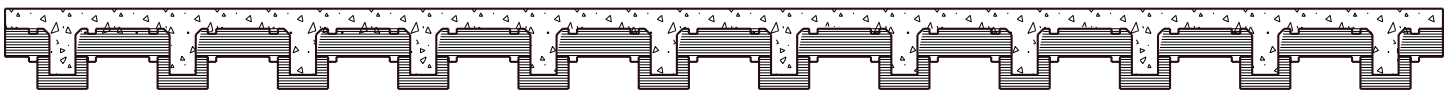
Floors ■ Decks ■ Roofs

## FORTRUSS PERFORMANCE VALUE:

- Superior Structure
- Durable
- Safe
- Healthy
- Fire Rated
- Energy Efficient
- Sustainable
- Green Building



CROSS SECTION OF FORTRUSS AND POURED CONCRETE



## Beaver Plastics

INNOVATIVE AND QUALITY PRODUCTS  
IN EXPANDED POLYSTYRENE



### | Construction

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- FORTRUSS FORMING
- INSULWORKS
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- DYNAVOID
- G-TEC
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- FABRICATED
- MOLDED
- PRECIOUS CARGO SHIPPER

### A name you can trust.

Since 1967 Beaver Plastics has been producing high-performance, engineered products made from expanded polystyrene. Our products are used in the horticulture, silviculture, construction and packaging industries. Widely recognized as the quality leader in all our markets, Beaver Plastics was the first manufacturer of expanded polystyrene products in North America to achieve ISO9001 certification.

Contact us today for more information.

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