

# Technically Speaking

## Delivering Innovative Eco-friendly Value

Next generation buyers appreciate the value of smart construction technology, green building initiatives, energy conservation and safety

### Deliver More Value

**Trinity's Integrated Post and Panel technology** IPP® combines the aesthetic appeal and strength of natural timbers, with performance features of Structural Insulated Panels (SIPS). Air-sealed tongue and groove connections slip fit into and over patented timber channels increasing strength and energy conservation. Assembling in record time with precision accuracy, IPP's building system will lead an evolution of new construction technology and deliver competitive advantages to developers and builders.

### Automated processing

IPP® Architecturally engineered blueprint data feeds automated CNC processing machinery, for precision cut output of timber frame components and connections. Solid wood is pre-cut, stacked and air dried for quick processing of size, length, detail and species.

### Precision Panels

IPP® Polyurethane foam panels deliver impressive R-Values with adhesive properties that penetrate directly into the OSB or Magnesium Oxide Board skins. This extremely strong bond out performs lower quality Polystyrene SIPS slatted with a separate adhesive that can delaminate. Our IPP® polyurethane foam is free of CFC's, VOC's and HFC's, resulting in one of the greenest foams available today.

### Value added Performance

**R-Values.** At over R-7.5 per inch, the IPP® system exceeds the newest building code regulations at R28+ for 4.5" walls and R40+ for 6.5" roof panels, resulting in an airtight home saving occupants money and creating comfort.

**Polyurethane foam** has one of the lowest moisture permeability ratings of any product in the building industry today. The permeance rating is 1.2. No pests, No allergens, No dust, No Mildew, No Mold, No Off-Gassing or PCB's.

**Fire Resistance.** With a Class 1 rated foam, the highest rating a building product can obtain, polyurethane is not a source for fire. On its own, it will not burn and will extinguish itself. Polyurethane is a thermal-set plastic, which will not melt. At 1000 degrees it will only char. An impressive 2 Hour fire rating that provides extra time and safety!

**Sound Proof.** IPP®'s Inert Polyurethane foam has a density of 2.2 lbs. (twice that of EPS foam), resists most chemicals, and provides quiet comfort.

### Details Matter!

Typical Interior and Exterior finishes tuck neatly into grooves that further minimize finishing materials and labour that resolves shrinkage, cracking or settling variables. Electrical easily runs in chases or router grooves.



**Trinity**  
POST & PANEL INC.

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

[info@trinitypostandpanel.com](mailto:info@trinitypostandpanel.com)

Office (250) 791-0028