

## System Description

### OPEN WEB JOIST

**FANOSA® Open Web Joist** is a structural element consisting of a steel frame and a concrete runner placed at the bottom and across the element. The function of the runner is to support the filler blocks and as a formwork when pouring the slab. The joist is the most important part of the slab system based on joist and polystyrene filler block, since it is the structural element responsible for strength.

### PRE-STRESSED JOIST

**The Pre-stressed Joist** is a high quality product for the construction of roof or floor slabs with known joist-filler block systems. This product is manufactured in a continuous and controlled process where the steel is pre-stressed; the joist is poured and remains in a curing process, guaranteeing the quality of the product. Its shape is an inverted “T”, which allows for the support of the expanded polystyrene filler block.



### Applications

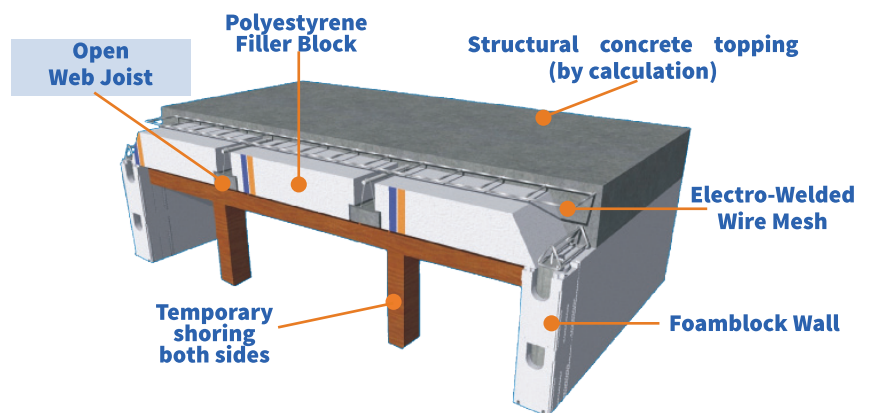
- Massive house construction.
- Houses.
- Commercial premises.
- Condominiums.
- Hotels.
- Hospitals.

### Advantages

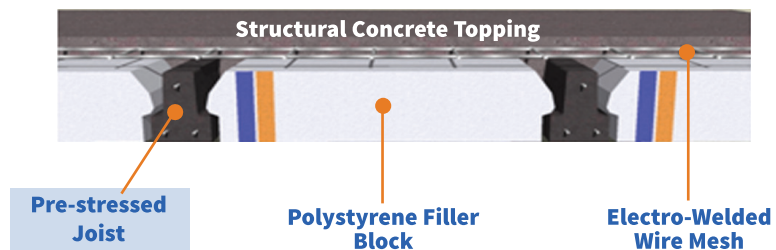
- Superior quality.
- Faster construction.
- Shoring to center only.
- Shoring in short spans not required.
- Covers large surface areas without reinforcements.
- Decreased volume of concrete used on projects.
- Eliminates additional reinforcement.
- Less steel per meter.
- Easy to install.
- Savings in contact formwork up to 80%.
- Excellent structural rigidity.
- Compatibility with other construction systems.
- Saves construction time.
- Greater control of material during projects.
- Reduces waste.
- Improved quality of construction.

## Presentation

### Open Web Joist



### Pre-stressed Joist



March 2018