

POSI-JOIST™

FLOORING SYSTEM



UNIQUE TECHNOLOGY
FOR YOUR
FLOORING SYSTEM

FLOOR JOISTS WITH A FOCUS ON OVERALL ECONOMY AND FLEXIBILITY

The possibilities of the Posi-Joist system with its low weight and good span in combination with the open construction, creates fantastic economic advantages. Piping and installation systems become much simpler. Work time on the construction site is reduced, resulting in a better overall economy.



WHY POSI-JOIST?

PERFORMANCE

Posi-Joist combines the lightness of timber with the strength of steel diagonals.

The major advantage of an OPEN FLOOR is that it eliminates the need for drilling or milling for pipe installation. This allows for significant flexibility in the design and dimensioning of various flooring solutions for residential, industrial, and commercial projects.

SIMPLICITY

The unique solution for water, sewage and ventilation installations offers significant time and cost savings. The open space gives you unlimited choice when it comes to insulation materials in both solid and loose form.

The Posi-Joist flooring system gives you great architectural design freedom and easy installation. The system is lightweight, making installation quick and easy.



Posi-Strut (metal – v) type	Installation diameter	Beam height
PS8	108 mm	198 mm
PS9	131 mm	221 mm
PS10	159 mm	249 mm
PS12	210 mm	300 mm
PS14	279 mm	369 mm
PS16	327 mm	417 mm

The open diagonal design gives plenty of room to run water, sewage, and ventilation through the beams, without cutting and drilling.

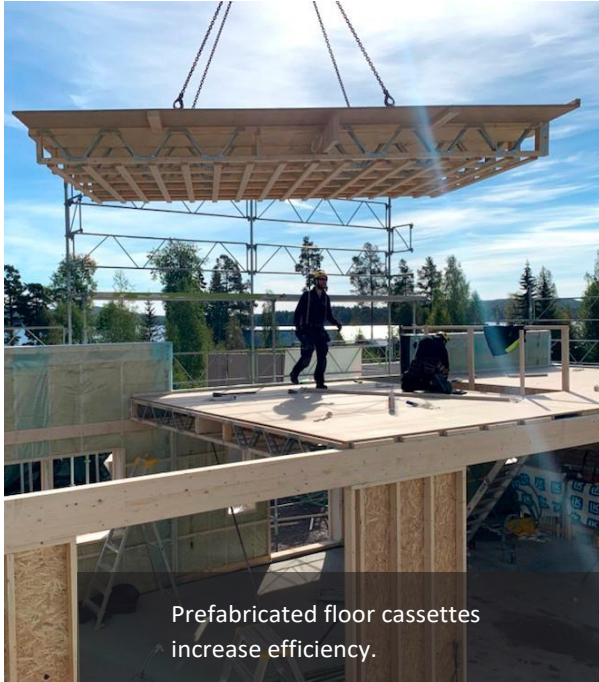
MANUFACTURERS

All Posi - Joist products are manufactured offsite in factory-controlled conditions. All our manufacturers use Pampir calculation program.



The network of POSI® beam manufacturers in Baltics is at your service:

- » www.jumtakonstrukcija.lv
- » www.stogokonstrukcija.lt
- » www.katusekonstruktsioon.ee



Prefabricated floor cassettes increase efficiency.

Effectiveness

The numerous advantages of the Posi-Joist system, including open diagonals and a favourable structural weight-to-span ratio, imply that a simple linear cost comparison with solid beam alternatives may be misleading.

Because plumbing installations are so much easier and faster with Posi-Joist, labour costs are reduced and construction time on site is shortened.

The beams are manufactured in a controlled environment which guarantees a quality product. They are quick to assemble as they are delivered in ready-to-assemble sizes.

Posi-Joist often eliminates the need for load-bearing partitions which also contributes to a lower overall construction cost.

Performance

Outstanding flooring performance is achieved due to the wide fixing surface, facilitating easy floor laying, and minimizing shrinkage. This increased precision reduces the need for return visits to the site.

POSI® beams can be used not only as flooring system but also as roof rafters, providing attractive living space and architectural variety.



Versatility

Design freedom is a natural part of the Posi-Joist concept. Height, length and width can be adjusted to produce countless solutions, all with clearly defined performance criteria.

Even Posi-Joist's end details can be changed to provide a wide variety of support conditions.

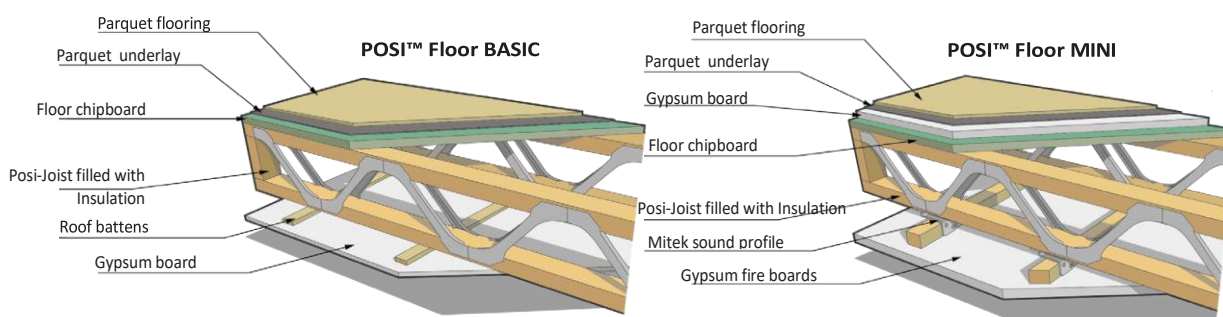
Top hung beams eliminate the need for beam shoes, saving time and money on site.

ALL-INCLUSIVE FLOOR SYSTEM

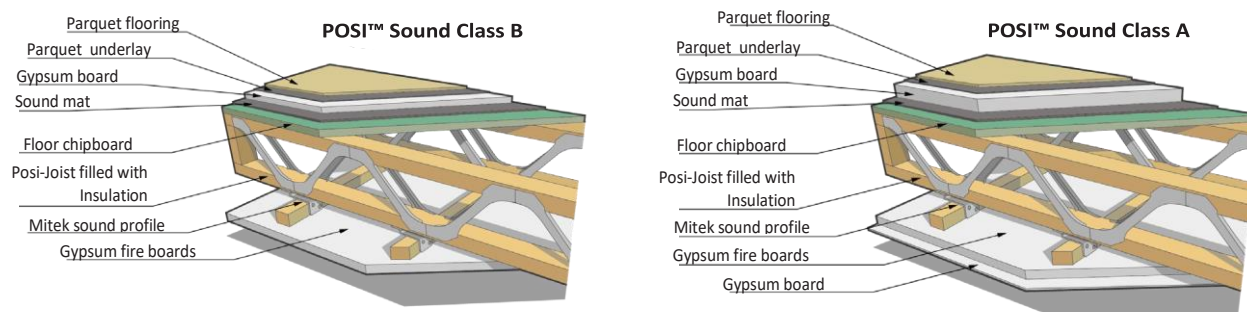
Using Posi-Joist in our designs can help us achieve a revolutionary floor system, that provides a complete solution with increased simplicity, more productivity at building site, and significant cost savings.

MiTek has conducted extensive testing in both lab and field environments. In this way, we have verified and developed cost-effective flooring systems with good sound and acoustic properties.

Lightweight flooring systems are increasingly being used to replace steel and concrete floors, thus simplifying the construction process, and saving both time and energy, which ultimately benefits the environment and leads to a better overall economy. From our acoustic, vibration and deflection tests, performed in 2020 and 2023, have led to 4 standard floor systems covering all necessary floor solutions.



Our ambition to create a flooring system that focuses on the whole, speeds up, simplifies and thereby contributes to a significantly lower cost picture than otherwise. There is always room for innovation, but this is something that we can investigate as a standardized solution.



If you want more information about our testing results, please contact us.

LARGE OVERALL COST SAVINGS

Open diagonals - System and pipe installations become much easier and significantly reduce work time on site.

Lightweight design - saves time through easy handling.

Delivery - comes with customized beams or elements/cassettes, ready for quick application and on-site installation.

Wide fixing surface - means easy installation of floorboards and minimizes shrinkage.

