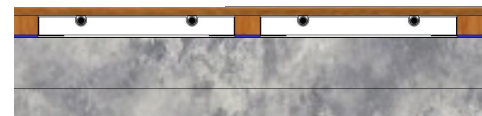
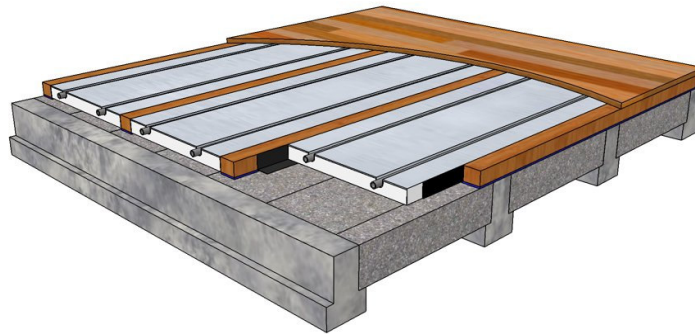


Dry Floor Constructions

**Data Sheet 8A
Timber Acoustic & Sprung**



Acoustic & Sprung Sports Floors

Timber Acoustic & Sprung Floor Systems are suspended between battens. These battens can be either supported on specially designed cradles or have an Acoustic layer fixed to the underside of the batten.

The panels are suspended between the battens on special “L” brackets which allow the panels to move freely without losing the direct contact of the diffusion plates from the underside of the timber floor deck.

This method of floor construction is widely used in gymnasiums and sports halls as well as for acoustic floors within commercial and residential flats.

The USL acoustic and sprung floor system consists of CNC routed high performance polystyrene panels. The panels are then inlaid with aluminium diffusion plates across the full width of the panel.

End panels are routed with the correct minimum bend radius to ensure the Polybutylene pipe is located firmly and accurately at the correct radius this will ensure that any potential risk of damage to the underfloor pipework from possible kinks is eliminated.

The polystyrene diffuser modules are available in:

- 340mm x 2400mm wide Modules
- 35mm, 50mm or 75mm thick Modules

Pipe centres are available in:

- 200mm centres

USL Polybutylene pipework is then pressed into the diffusion plates which act as an excellent heat conductor. With the floor deck installed the heat spreads across the underside of the floor deck resulting in an efficient underfloor heating system.