

THERMAL SURFACES

Surface Heating & Cooling Specialists

SPRUNG TIMBER FLOOR SYSTEMS

Sprung timber floors are typically used in activity or sports halls in schools and colleges to reduce the impact of a person falling on to the floor. Normally the sprung timber floor is laid directly on to a concrete base with battens installed to meet the timber floor finish requirements. The battens have a resilient strip on the bottom to absorb impact. If the concrete base is uneven the battens can be levelled using cradles with resilient pads on the bottom to absorb the impact. It is important with these floors that there is a suitable expansion gap around the perimeter of the floor when underfloor heating is incorporated between the battens. The underfloor system can be fixed to rigid insulation installed between the battens or diffusion plates can be used to fix the pipe-work to the battens with mineral wool insulation fitted between the battens and below the underfloor heating. The underfloor heating is normally limited to 27degC floor surface temperature and an output up to 70 watts/m² in this application to protect the timber floor. If a suitable perimeter insulation strip is installed around the floor and mineral wool is installed between the battens, the sprung timber floor can also comply with Part E acoustic requirements

FLOOR SECTION – SPRUNG TIMBER FLOOR ON BATTENS WITH RESILIENT FOAM STRIP

