

case study

New Arts College has Sports Hall with underfloor heating

Products used: **InstaSport SP22/43 cradle and batten undercarriage – 750m²**

Floor surface: **Herculan MF sports system (7mm)**

Architects: **Allford Hall Monaghan Morris**

Main Contractor: **Morgan Sindall**

Flooring contractor: **Central Flooring Services**

Built for Kingston upon Hull City Council, Kingswood Arts College in Hull is a striking new four storey building with a sports hall on the first floor. The specification called for a raised floor system that could be height adjusted and levelled on site, due to the very uneven concrete sub-floor, and also accommodate an underfloor heating system within a service void.

Once the DPM was laid, the InstaFloor rubber crumb cradles and cradle base packers were set out at 600mm centres. The floor system was then laser levelled to ensure that the finished floor would have a completely level surface. The 43mm square timber battens were placed in the sports cradles and the system adjusted to create a finished floor height of 150mm - once the 22mm plywood and Herculan 5 + 2 seamless polyurethane system had been installed.

The underfloor heating system was installed between and beneath the cradles and battens and then the plywood and eco-friendly seamless sports floor surface were fitted. Anchor point sockets were included in the floor for individual removable posts and stanchions for sports such as netball and badminton.

The completed sports hall has a high quality impact energy absorbing floor system that meets the specific requirements of governing bodies such as Sport England and Badminton England.

The InstaSport system also provides further benefits:

- Complies with EN 14904 and BS 6399: Part 1
- Combined-Elastic (Type C4) floor
- Cost-effective and easy to install adjustable systems
- Shock absorption helps avoid injury and fatigue
- Sports cradles have a 60 year guarantee

