

Stadium Acoustics

Decorative acoustic finish controls noise reverberation

Stadium acoustics due to the sheer size of the projects require economical acoustic solutions. With more and more stadiums needing to host such events as music concerts and the like to increase revenue, the stadiums acoustics are very important.

Wembley Stadium

During 2000, following the repositioning of the main stage concert goers complained to Wembley Stadium management about **poor stadium acoustics** spoiling their enjoyment of the concert.



After extensive acoustic tests by a specialist consultancy, it was found that sound was reflecting off a 1.5m high wall that ran the perimeter of the stadium above the lower tier of seating.

Oscar Acoustics were contacted to apply **12mm of SonaSpray fc acoustic decorative finish** to the face of the wall to correct the stadium acoustics. The work was completed in just one week, causing minimum disruption to the tight entertainment schedule. During this time, stadium tours were able to continue.

At the following Bee Gee's concert, it was clear to hear that SonaSpray had economically **corrected the problem** of reflected sound from the wall.



Seattle Kingdome

Home to the Seahawks and Mariners, the Seattle Kingdome also serves as a venue for major events. Shortly before a Mariners game, **falling ceiling tiles** forced the facility to be closed, leaving Seattle without a stadium. Project officials needed a versatile and effective **replacement in a hurry**.

The new ceiling had to provide superior stadium acoustics and lighting control, match a specific

colour for visibility and create an attractive finish for the scalloped surface. Equally important, the installation had to be completed in less than twenty six days.

SonaSpray K-13 effectively met all the project requirements. A 50mm thick coat of specially matched colour K-13 was applied to control the deafening noise generated by fans and improve the lighting, visibility and aesthetics of the stadium.

Given the go-ahead on September 28th, work began on October 4th. This 400,000 square feet project was completed nineteen days later, a week ahead of schedule.

Superior stadium acoustic control, custom colours, ability to conform to any substrate configuration and an attractive, uniform texture made SonaSpray K-13 the best ceiling finish choice for the Kingdome.

Article by D.Mack of Oscar Acoustics. For more advice on Acoustic Solutions and noise Insulation go to <http://www.oscar-acoustics.co.uk>