

case study

LIVE THEATRE, NEWCASTLE-UPON-TYNE



Main Contractor:
Stephen Easten

Architects:
Waring & Netts

Flooring Contractor:
Veitchi (Scotland) Ltd

Products installed:
208 & H203 overlay systems

Following a two year refurbishment programme and expansion into the adjacent building, the Live Theatre now occupies four historic listed buildings on The Quayside.

As part of this redevelopment it required 800m² of acoustic flooring in the upper storey offices and dance studio to ensure that they met the Part E sound insulation requirements of Building Regulations.

The dance studio, which had height restrictions, and the corridors were fitted with the 208 overlay system while the offices were fitted with the H203 overlay system which has three layers of decoupling fibre for additional acoustic insulation.



Test results were:

Airborne: Over 43dB $D_{nT,w}+C_{tr}$ (Building Regs. = not less than 43dB $D_{nT,w}+C_{tr}$)

Impact: Less 64dB $L'_{nT,w}$ (Building Regs. = not more than 64dB $L'_{nT,w}$)

CS20