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**Available CPD Material (1)**

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**Design and Construction of Box in Box Systems**

This CPD will discuss box in box systems from design to construction and explore what steps can be taken to improve project efficiency. Topics covered include an overview of why cinemas and auditoriums often require noise and vibration isolation, how test data is relevant, details on the physical space likely to be consumed by isolation measures and the construction methods undertaken to achieve a total box in box enclosure. By the end of the CPD you should have a greater understanding of:

- The implications of box in box design in terms of architectural envelope and structural stability
- Vibration and controlling factors
- The benefits of establishing an early acoustic design strategy
- Floating floor constructions

Material type: Seminar

RIBA Core Curriculum: **Design, construction and technology**Knowledge level: General Awareness

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**Classifications**

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**Subject/Product Areas (CI/SfB)**

Structure

**Floors, including beams > Floor insulation****Lintels, sills, weatherbars, other window/door parts > Acoustic seals**

Services

**Air conditioning, ventilation > Silencers and acoustic treatment**

Engineering

**General engineering services > Vibration isolation mountings****RIBA Core Curriculum areas****Design, construction and technology**Knowledge level: *General Awareness*