

# Residential Buildings: Considerations for Building a Healthy Home



## **AACA Competency:** Design

**Module Outline:** It is not often that we ask ourselves, what is a home? A home should provide shelter, privacy, safety and should be a safe-haven which preserves our physical and mental health. A residence that fails to offer these essentials through adequately designed and properly maintained interiors and exteriors is not a healthy home. The design, construction, and maintenance of our homes are perhaps more important to our wellbeing than we previously believed. What constitutes a healthy house?

Exploring the analysis of behavioural patterns in the spatial configuration of modern houses on the notion of space syntax, has the capacity to either facilitate or inhibit behaviours and cognitive processes.

Sliding solutions enable the space to be redefined and provide unlimited options for developing and successfully implementing new ideas for architecture and design. Access for light, air and people must be created and implemented in every building and room. Sliding solutions are the superior approach for aesthetic, functional and cost effective design.

## **At the conclusion you will be able to:**

1. Explain the measures required for effective noise control. **AACA Competency 4.2 and 4.7.**
2. Summarize material considerations to achieve and maintain better indoor air quality **AACA Competency 4.7.**
3. Describe some design considerations that can create inviting, inspiring spaces **AACA Competency 3.2.**

**Presenter:** Mark Micallef has over 15 years' experience in technical sales and management roles in the Building industry working with some of Australia's leading building materials manufacturers. Mark is an expert in acoustics, thermal comfort and indoor environmental quality, with formal training in Australia and abroad, and had been involved in a design and construction capacity on many of Australia's largest building projects, including Barrangaroo, Perth Children's Hospital, Sunshine Coast University Hospital, Melbourne University School of Architecture, Eureka Tower and Melbourne 108. Mark holds an MBA from RMIT University and a Bachelors of Business (Marketing) from Victoria University, in addition to several formal and informal qualifications in building and construction-based subjects.

**Duration:** 1 hour