

Zehnder UK



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CPD Overview

Zehnder manufactures climate-enhancing products and systems, including mechanical ventilation with heat recovery (MVHR), decorative radiators and radiant heating and cooling panels.

Zehnder has a vast wealth of knowledge providing comfortable indoor climates to various building sectors, including residential, commercial, and industrial, as well as experience in applications in education and healthcare settings.



Available CPD Material (4)



Overheating in homes - Ventilation & Cooling Strategies

Urbanisation, density planning restrictions and the development of more challenging sites has seen the issue of overheating in buildings rise significantly over the past few years. Where new homes are required to meet high quality and insulation levels, the need for effective ventilation and cooling strategies are now crucial to comfort and well-being and to meet planning guidance and regulations. This CPD will explore the reasons for overheating, thermal modelling examples and the benefits of using ventilation and cooling to combat overheating in homes. It will help you to understand the following topics:

- What is overheating, why is it occurring and what are the implications
- The regulations and guidance surrounding overheating in homes, including TM59
- The importance of thermal modelling with examples utilising ventilation
- Ventilation solutions to combat overheating

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



Radiant Heating

The ability to economically heat and cool buildings, whilst considering the environmental impact, is becoming more and more important.

- This is especially so in large spaces such as offices, warehouses, sports centres, retail outlets, schools and hospitals where energy use is high.
- We spend virtually three quarters of our lives in buildings: the indoor climate, temperature and air quality has a considerable influence on our general well being.
- A range of options are available when choosing heating and cooling systems, however, one that is often overlooked and perhaps not so readily understood, is radiant heating and cooling.
- The Radiant Heating and Cooling CPD from Zehnder examines the technology further and examines the benefits the systems can offer.

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



Radiant Conditioning

This seminar will provide:

- Understanding of cooling issues that pertain within buildings today
- Detailing of cooling solutions that are available
- Different cooling solutions and how they work
- The benefits that can be gained by cooling
- Understanding of system design options
- Examples of cooling solutions

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



MVHR in PassivHaus

This seminar aims to help delegates:

- Understand what heat recovery ventilation is
- Understand what constitutes a High Code Level home and Passivhaus property
- Understand why heat recovery ventilation is needed in order to achieve High Code Level or Passivhaus status
- Be able to identify which features are necessary in order to achieve High Code Level or Passivhaus status
- Be aware of best practice when specifying heat recovery ventilation

Material type:

Seminar

RIBA Core Curriculum:

Design, construction and technology
Sustainable architecture

Knowledge level:

General Awareness

Classifications

Subject/Product Areas (CI/SfB)

Services

Space heating > Wall, underfloor and ceiling heating

Space heating > Hot water and oil-filled radiators and fittings

Air conditioning, ventilation > Air conditioning

Engineering

Mechanical heating, cooling and refrigeration > Heat emitters

Mechanical heating, cooling and refrigeration > Underfloor, ceiling, wall heating

RIBA Core Curriculum areas

Design, construction and technology

Knowledge level: *General Awareness*

Sustainable architecture

Knowledge level: *General Awareness*