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CPD Overview



Available CPD Material (3)



Air Leakage & Fire Performance In Facade Systems (Revision 2)

An overview of UK and Irish building regulation relating to the compliance of construction membranes with respect to air leakage and reaction to fire. Also covers adjacent issues of moisture control and hygrothermal assessment, and the implications of air leakage strategies on both energy efficiency and "as designed" vs "as built" performance.

This CPD will cover:

1. Heat, Air and Moisture movement in building and relevant building regulations.
2. Hygrothermal Assessments, Dynamic vs Steady State methods.
3. Mechanisms and effects of air leakage on building envelopes.
4. Performance and location of membranes as air barriers in facade applications.
5. Reaction to fire testing and BR135.

By the end of this CPD seminar delegates should have:

1. An understanding of design considerations relating to hygrothermal and energy performance.
2. A recognition of relevant legislation and guidance.
3. An understanding of air leakage drivers and mitigation through membrane usage.
4. An awareness of fire test methods and classifications.
5. An appreciation of the relationships between hygrothermal and fire performance criteria and their implications.

Material type: Seminar
RIBA Core Curriculum: **Legal, regulatory and statutory compliance**
Knowledge level: General Awareness



Multiple formats

Passive House and Low Energy Housing Design

This CPD gives an overview of the Passive House design principles, the benefits they provide in terms of energy performance, and the means by which these benefits are achieved. It also introduces some common fabric first systems and solutions to simplify the process of optimising low energy design using the passive principles. By the end of the CPD you should have a greater understanding of:

- Understanding of the principles of passive design
- Knowledge of fabric insulation properties and good design practice
- Familiarity with air leakage testing and mitigation
- Appreciation of the effects of membrane properties on design
- Introduction to heat recovery systems

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



Multiple formats

Building Refurbishment: Systems for Retrofit and Conservation

This CPD gives an overview of the the factors to consider in refurbishment and conservation projects, including the basics of building physics as related to hygrothermal design. It also provides on overview of the standards, regulations and frameworks involved in designing for retrofit and conservation. By the end of the CPD you should have a greater understanding of:

- The retrofit and conservation considerations
- Knowledge of hygrothermal material properties and good design practice
- Introduction to hygrothermal assessment standards
- Introduction to PAS 2035 design framework
- Reducing condensation risks in pitched roof refurbishment

Material type: Online Learning, Seminar

RIBA Core Curriculum: **Design, construction and technology**

Knowledge level: General Awareness

Classifications

Subject/Product Areas (CI/SfB)

Substructure

Floor beds, ground floors, basements > Proofing services

Structure

Floors, including beams > Floor insulation

Finishes

Wall finishes: internal > Composite wall lining systems

General products

Rigid sheets, boards > Building boards

Flexible proofing/separating sheet membranes > Foils, building papers, sheet dp membranes

Paints, varnishes, protective treatments etc. > Wood preservation

RIBA Core Curriculum areas

Legal, regulatory and statutory compliance

Knowledge level: *General Awareness*

Design, construction and technology

Knowledge level: *General Awareness*

Sustainable architecture

Knowledge level: *General Awareness*