EFFISUS

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CPD Overview

Available CPD Material (12)

Facade Weatherproofing Prefabrication Solutions – Know What is Available (Case Studies)

This CPD aims to discuss the specific solutions that façades require when it comes to weatherproofing. It underscores the importance of having solutions that fit into each project's needs and highlights how prefabrication can provide a reliable solution - in light of factors on site, such as rain, water, wind and cold temperature which can otherwise interfere with the final input. By the end of the CPD you should have a greater understanding of:
- The latest technologies and developments in weatherproofing membranes and pre-fabrication
- The main issues found on site and importance of weatherproofing pre-fabrication
- Using a project by project approach - detailing and design
- How to benefit from pre-fabrication technologies on different façade applications
- How to improve the project predictability and minimise problems
- How to raise the façade efficiency and final quality
- When and why we should specify prefabricated solutions for façade weatherproofing

This CPD can be delivered to you live and remotely

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

Multiple formats

Passive House Principles and Building Envelope Technologies

This CPD aims to empower and engage the audience by providing comprehensive knowledge on the principles of Passive House design, and emphasizing the pivotal role of building envelope technologies, such as breathable membranes, AVCL, and facade interface sealing. By doing so, we aim to foster a deeper understanding of how these elements contribute to achieving outstanding energy efficiency, sustainability, and indoor comfort in building design and construction.

This CPD aims to allow delegates to:
1. Understand Passive House design principles.
2. Explore building envelope technologies in Passive House design.
3. Comprehend the role of breathable & AVCL membranes.
4. Learn about interface sealing in building design.
5. Recognize the importance of facade detailing.

By the end of this seminar delegates should have :
1. A comprehensive understanding of Passive House design principles and strategies.
2. Knowledge of key building envelope technologies, such as breathable/ AVCL membranes and facade interface sealing.
3. An appreciation for the pivotal role of building envelope technologies in achieving energy efficiency and sustainability.
4. An enhanced understanding of energy efficiency in building design and construction.
5.Increased awareness of creating comfortable indoor environments through proper design and construction techniques.

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

Multiple formats

Averting Disaster: Interface Fire-Rated Membranes for Enhanced Building Safety

The aim of this presentation is to inspire and educate building professionals on the importance of facade design in promoting building performance, sustainability, and efficiency. An overview of traditional sealing solutions and their limitations, as well as an introduction to new and innovative technologies in facade design, also to equip attendees with the knowledge and tools to seal better facades that meet the demands of the 21st century and promote a more sustainable future for the built environment.

Material type: Online Learning, Seminar

RIBA Core Curriculum: Design, construction and technology
Health, safety and wellbeing

Knowledge level: General Awareness

Multiple formats

Understanding the Impact of Air Barriers on Sustainable Building Envelopes

This short presentation aims to provide an overview of the impact air barrier has on the overall sustainability of building envelopes and user comfort. And bring awareness to various international codes and standards of the importance of continuous air barrier and their impact on the building envelope

Material type: Online Learning, Seminar

RIBA Core Curriculum: Design, construction and technology
Sustainable architecture

Knowledge level: General Awareness

Multiple formats

Facade Weatherproofing – Understanding Window Wall Interface

This short presentation aims to provide an overview of the window wall interface and current performance requirements as per the UK building regulations. It will also provide the end user with awareness of the latest technologies and developments about weatherproofing membranes for façade interfaces, regarding design, detailing, fire and application methods.
By the end of the CPD you should have a greater understanding of:
- The issues regarding wall window interface
- What involves the installation of a different elements in regard to interface
- Improving the project predictability and minimizing problems
- How to raise the façade window efficiency and final quality
- Key codes in regard to interface

Material type: Online Learning, Seminar

RIBA Core Curriculum: Design, construction and technology
Legal, regulatory and statutory compliance

Knowledge level: General Awareness

How To Design an Air and Vapour Control Layer

This presentation addresses the importance of considering an air and control layer in the most common types of ventilated facades and how to design its application, as well as the considerations that must be taken into account when installing it on site. By the end of the CPD you should have a greater understanding of:

- The risks associated with the non-use of an air and vapour control layer in ventilated facades
- What involves the installation of an air and vapour control layer on the internal part of the facade
- How to improve the project predictability and minimizing problems of an air and vapour control layer detailing (e.g. perforations)
- How to raise the façade efficiency (thermal/energetic) and final quality.

Material type: Online Learning, Seminar

RIBA Core Curriculum: Design, construction and technology

Knowledge level: General Awareness

How to Design a Breathable Membrane

In our presentation, we will address the importance of considering a breathable membrane in the most common types of ventilated facades and how to design its application, as well as the considerations that must me taken into account when installing it on site.

Material type: Online Learning, Seminar

RIBA Core Curriculum: Design, construction and technology

Knowledge level: General Awareness

Facade Weatherproofing Systems

This CPD aims to provide feedback from the field on the technology that is available in regards to weatherproofing membranes and also main considerations that we should take when designing and installing weatherproofing membrane systems (air, vapor, fire, water). It will provide an understanding of the importance of interface membranes and improvements utilizing prefabrication/bespoke solutions.
By the end of the presentation you should have a greater understanding of:
- Future-proofing buildings in regards to weatherproofing
- Fire performance test methods on weatherproofing membranes systems
- How to benefit from pre-fabrication technologies on different façade applications
- How to raise the façade efficiency and final quality.

This CPD can be delivered to you live and remotely.

Material type: Online Learning, Seminar

RIBA Core Curriculum: Design, construction and technology

Knowledge level: General Awareness

Multiple formats

A1 Facade Fire Rated Membranes and A2 Membranes Systems - The Technology is Ready

This CPD addresses the latest technologies available to complete a weatherproofing A2 Fire-Rated Façade Weatherproofing System according to BS EN13501-1, both ensuring maximum fire safety and contributing to a new level of building facades fire safety. By the end of the presentation you should have a greater understanding of:
- How to make the end user aware of the latest technologies and developments in membranes for facades in regards to fire
- Considerations that we should take when designing and installing weatherproofing systems
- Weatherproofing implications in a façade project
- Membrane test standards, as well the UK building regulations

This CPD can be delivered to you live and remotely.

Material type: Online Learning, Seminar

RIBA Core Curriculum: Design, construction and technology
Legal, regulatory and statutory compliance

Knowledge level: General Awareness

Facades Interface Waterproofing – EPDM Still an Alternative?

EPDM (Ethylene Propylene Diene Monomer) is a very durable synthetic rubber membrane and is widely used worldwide in various applications on façade walls. It has very stable properties such as vapour, air and watertightness along with elongation of >400% - allowing it to accommodate building differential movements. There are many important considerations in using EPDM in the UK and this CPD covers the specific technical requirements to be followed, as well as new developments in the industry. By the end of the article you should have a greater understanding of:
-The benefits of using EPDM membranes in interfaces
-The main characteristics and usage of EPDM membranes
- The standards EPDM's have to comply with including CE marking and tests
- The technical requirements needed to apply EPDM in the UK market
- Current EPDM available and new developments for the future

Material type: Article

RIBA Core Curriculum: Design, construction and technology

Knowledge level: Microlearning

Detailing, New Challenge on Façade Building Construction

This CPD discusses construction in the façade industry, which has evolved immensely in terms of complexity and modern technology in recent years. Topics discussed iinclude an overview of façade projects in a new era and associated challenges, the importance of detailing on a façade project, advantages of weatherproofing design, and application on a project case study. By the end of the CPD you should have a greater understanding of:
- New era challenges of façade projects
- How detailing could leverage the final project
- Weatherproofing as key for design
- Application in a project case study

Material type: Article

RIBA Core Curriculum: Design, construction and technology

Knowledge level: Microlearning

Façade Weatherproofing - How to design and efficiently control air, water and water vapour through the façade

Multiple formats

In our presentation, we will address how to design and efficiently control water, air and water vapour trough the façade.

Feedback from the field on the technology in regards to weatherproofing systems and main considerations that we should take when designing and detailing weatherproofing membrane systems (air, vapour and water vapour) to avoid problems in the future.

Material type: Online Learning, Seminar

RIBA Core Curriculum: Design, construction and technology
Sustainable architecture

Knowledge level: General Awareness

Classifications

Subject/Product Areas (CI/SfB)

Special activities, requirements
Green applications, resources; sustainability > Flat roofing membranes

RIBA Core Curriculum areas

Design, construction and technology
Knowledge level: *General Awareness*

Sustainable architecture
Knowledge level: *General Awareness*

Health, safety and wellbeing
Knowledge level: *General Awareness*

Legal, regulatory and statutory compliance
Knowledge level: *General Awareness*