

# Aluprof UK



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## CPD Overview

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Aluprof is one of the leading European system suppliers with an extensive range of architectural solutions. Aluprof's aluminium doors and windows meet and exceed the highest industry standards for weather performance and high thermal insulation. Innovative and thermally efficient aluminium curtain wall systems comply with the aesthetic requirements of modern architecture and provide contemporary and bespoke solutions into aluminium glazing envelopes for buildings of any kind. The extensive range of Aluprof products is complimented by aluminium fire rated windows and doors in EI classification of 30, 60 and 90 minutes and aluminium fire rated curtain wall system in EI classification of 30 and 60 minutes.

An integral part of Aluprof's product range is aluminium roller shutters and garage doors systems available from our centrally based depot in the Manchester area.

All our products meet relevant European and British standards for thermal insulation, performance and durability. Aluprof's quality management systems effectively improve availability of our products and guarantee excellent lead times for our customers.

Through the nationwide network of authorised and approved dealers and fabricators, supported by a UK based experienced team of specialists Aluprof offer our clients an ongoing, dedicated and professional service.



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## Available CPD Material (4)

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### Thermal Design Choices for Aluminium Fenestration Systems

This seminar looks at the different options available for thermal insulation of aluminium fenestration framing systems. It will help you to understand the following topics:

- Understand the history and importance of thermal insulation of aluminium profiles and what insulation materials are used where
- Understand the requirements of the current Building Regulations
- Understand the importance of profile design
- Understand methods of insulation calculation and what to look for in the results
- Understand the importance of the glazed unit specification and the choices available
- Understand the effects of solar energy on insulation
- Understand the importance of the thermal interface with the building envelope and how to reduce the effects of cold bridging between frame and structure
- Understand condensation and how to avoid it occurring
- Understand how to maximise BREAAAM points by fenestration specification

Material type: Seminar

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

Knowledge level: General Awareness

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### The Use of Glazed Screens to Control the Spread of Smoke and Fire in Buildings

The spread of toxic smoke is the biggest killer in a building fire. This presentation covers the history of fire screens, safe routes of escape in buildings and doors and screens as part of the solution for fire safety systems. It will help you to understand the following topics:

- The risk of smoke in a building fire
- How to advise the client on The Regulatory Reform (Fire Safety) Order 2005
- The elements of fire screen design, construction and specification, including the benefits of various materials, specification of glazing, glass to frame design and fixings to building fabric
- How to ensure installations are completed with the correct documentation
- How to ensure that screens supplied form part of a building fire safety system
- How to advise on regular maintenance of all fire safety systems including screens

Material type: Seminar

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

Knowledge level: General Awareness

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### Thermal Design Choices for Aluminium Fenestration Systems

There are now various ways to insulate aluminium to ensure thermal efficiency. This article looks back at the history of thermal breaking of aluminium and brings the process up date with the latest technology. For the specifier it is important to note what type of thermal break should be used in which system and to determine the suitability of the system to be chosen for any given project. This article should give you a better understanding of the efficiencies that can be made by specifying modern aluminium fenestration systems and understand the following:

- The benefits of specifying thermally insulated aluminium and have a basic knowledge of aluminium thermal break development
- How to be able to interpret basic thermal simulation graphics
- How to identify issues of cold bridging and how to avoid
- How to select a system design to suit the buildings' requirements

Material type:

Article

RIBA Core Curriculum:

**Design, construction and technology**  
**Sustainable architecture**

Knowledge level:

Microlearning

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### The Use of Glazed Screens to Control the Spread of Smoke and Fire in Buildings

This article looks at the use of glazed screens and gives an insight to the standards and what is achievable today. It will help you to understand the following:

- Understand and acknowledge the risk of smoke in a building fire
- Understand how to advise the client on The Regulatory Reform (Fire Safety) Order 2005
- Understand how to ensure installations are completed with the correct documentation
- Understand how to ensure that screens supplied form part of a building fire safety system

Material type:

Article

RIBA Core Curriculum:

**Design, construction and technology**  
**Health, safety and wellbeing**

Knowledge level:

Microlearning

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## Classifications

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

Structure

**Windows > Aluminium windows**

**Doors: general > Sliding and folding doors**

**Windows > Window awnings, shutters, louvres**

**External walls > Curtain walling**

**Internal walls, partitions > Relocatable, demountable partitions**

**Internal walls, partitions > Non-relocatable partitions**

**Doors: general > Garage doors**

### 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*