Aluprof UK NBS Source Partner

ALUPROF ALUMINIUM SYSTEMS

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CPD Overview

Aluprof is one of the leading façade system suppliers with an extensive range of architectural glazing solutions.

Aluprof's aluminium doors, windows and curtain wall systems meet and exceed the highest industry standards for weather performance and thermal insulation. Our innovative and thermally efficient systems comply with the aesthetic requirements of modern architecture and provide contemporary and bespoke facade solutions for buildings of any kind.

The extensive range of Aluprof products is complimented by aluminium windows, doors and curtain walling offering both Passive house (Passiv Haus) certification and fire rated options in EI (integrity and insulation) classifications of 30, 60, 90 and 120 minutes.

An integral part of Aluprof's product range is aluminium roller shutters and garage doors systems which are also available.

All our products meet relevant European and British standards for thermal insulation, performance and durability. Aluprof's quality management systems guarantee excellent lead times for our customers with a proactive approach to sustainability.

Aluprof recognise the value of relationships and work closely with architects and consultants to provide added value through our experienced UK based team of project consultants. We offer the project stakeholders an ongoing, dedicated and professional service to deliver tailored design solutions and cost plan support from project concept through to completion.

Available CPD Material (6)

Passive House Design – Aluminium Glazing Systems

This CPD provides the attendee with a general overview of Passive house design and its key principles, followed by
specific criteria and requirements for glazing systems. Providing the attendee with an understanding of passive house design and what is required during the design and construction of buildings to meet the standards set out by the PassivHaus Institute (PHI) and achieve overall certification.

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

Fire and Smoke: Glazing System Protection

Fire has become an important and relevant topic in recent times. This CPD provides a technical overview of the following criteria when considering the design of internal and external glazing systems used for fire protection of a building, its surroundings, and its occupants:

- Fire protection methods
- Classification: fire and smoke
- Standards and regulations relating to fire
- Testing and certification of fire protection glazing systems
- Material options
- Installation

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

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 BREAAM points by fenestration specification

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

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

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

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

Classifications

Subject/Product Areas (CI/SfB)

Structure
Windows > Aluminium windows
Windows > Window awnings, shutters, louvres
Doors: general > Sliding and folding doors
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*