

Guardian Glass UK Ltd



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CPD Overview



Available CPD Material (6)



Multiple formats

How to Specify Glass for Facades

This CPD provides an overview of various aspects and regulatory requirements in order to correctly specify glass for facades. You will learn in detail not only about the design considerations like aesthetics and privacy, but also performance indicators like thermal comfort and daylight as well. Safety and security including fire protection, sustainability and energy saving smart technologies are also other important topics discussed in this CPD. By the end of the presentation you should have a greater understanding of:

- Which aspects to consider when to specify glass for façades
- Daylight performance, glare, privacy and aesthetic aspects of glass
- Thermal comfort, acoustics, safety and security, and fire resistance with glass
- Smart glass technologies for energy efficient and sustainable buildings
- Norms and regulations for different specification aspects.

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

Glass as a Design Material and Regulations Impacts on Specification

This seminar looks at the correct specification of glass. It will help you to understand the following topics:

- Glass as a material and the types of glass available
- Technical aspects of glass and how glass is produced
- Applications and performance of different types of glass
- The influence of Building Regulations Part L on Specification
- U values and G values
- Advanced coated glass
- Glass as a design material, what it could do and where and when to specify glass

Material type: Online Learning, Seminar

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

Knowledge level: General Awareness



Half Day Glass Works Tour and Seminar: The Production, Technical Aspects and Use of Glass in Architecture

This tour offers architects a chance to visit a leading manufacturing facility of float and value-added glass products, which are used for a wide range of construction projects.

This factory visit covers:

- Understanding of the history of float glass and why today's method is the most efficient means of manufacturing
- Annealing process and why the correct tensile stresses in the glass are so important
- Quality checking for optimum visual and material quality
- The bespoke transportation system used by the glass industry and the sizes available
- Laminated Glass and the way that it is manufactured
- Benefits of laminated glass
- Building regulations - compliance with document N & K

The tour lasts one half day and takes place in the UK division based in East Riding, Yorkshire.

Material type: Factory Visit

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

Knowledge level: General Awareness



Building Regulation Document L and Energy Efficient Glass

- Building regulation document L and glass
- Part L's influence on glass specification
 - Technical glass performance explained
 - U value and G value - relevance to part L
 - Glazing and the future
 - Specifying glass and reducing CO2

Material type: Seminar

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

Knowledge level: General Awareness



Glass as a Design Material

This seminar looks at:

- Glass as a material
- Types of flat glass
- Coated glass
- Laminated glass
- Technical aspects of glass
- Sound control
- Application and performance
- European standards
- Safety and security
- Energy saving
- Exterior applications
- Performance values
- Aesthetic appearance
- Glass and colour
- Decorative glass
- Interior applications

Material type:

Seminar

RIBA Core Curriculum:

Design, construction and technology

Knowledge level:

General Awareness



Coated Glass and Energy Balance in Building

What is coated glass?

- Methods of production
- Why coated glass?
- Applications and performance
- Insulating Glass Unit (IGU) configurations
- Reducing CO2 through glass specification
- Performance glass and high selectivity
- Passivhaus and ultra low U value windows
- Building regulations and glass performance
- Coated glass and energy balance
- Environmental and sustainable credentials
- Projects and aesthetic appearance
- BREEAM and glass specification
- Using glass to achieve BREEAM credits

Material type:

Seminar

RIBA Core Curriculum:

Design, construction and technology

Knowledge level:

General Awareness

Classifications

Subject/Product Areas (CI/SfB)

General products

Rigid sheets: glass > Glass

Rigid sheets: glass > Architectural glass

Rigid sheets: glass > Plastics films applied to glass, window films

Rigid sheets: glass > Surface treatments, applications for glass

RIBA Core Curriculum areas

Design, construction and technology

Knowledge level: *General Awareness*

Legal, regulatory and statutory compliance

Knowledge level: *General Awareness*

Sustainable architecture

Knowledge level: *General Awareness*